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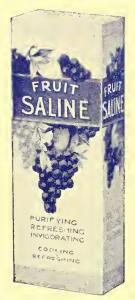
# May, Roberts' Traveller.

No. 4023 CITY

MARCH 13, 1915.

LONDON & DUBLIN.

#### SHOWROOM CHATS.



### TOO EARLY TO THINK OF SALINES YET?

Hardly, Sir! We were passing designs and making contracts for new packings for this coming season six months ago. Whether you sell by wholesale or retail the first in the field gets the pick of the trade.

### HAVE YOU SEEN OUR NEW "STYLE D" FRUIT SALINE?

It is the most artistic packing we have yet issued. We think time and trouble well repaid when we can turn out an article like this.

It took a clever artist, a skilful printer, and eight colours to produce that label and carton, and we have had even the capsule specially made so that it should fit in with the colour scheme.

### WHAT ABOUT THE QUALITY OF THE SALINE?

Well, we pack it in two grades to suit different classes of trade, and they are both equally good value.

### PERHAPS YOU WOULD LIKE TO TEST THEM YOURSELF?

One moment while I send for a couple of tumblers of water.

#### YOUR NAME AND ADDRESS?

Yes! On both label and carton for orders of two dozen and upwards.

#### REDUCTION ON QUANTITY?

Yes! Sixpence per dozen less on the first quality and fourpence per dozen less on the second quality, for orders for six dozen and upwards.

#### AUSTRALIA.

We are now packing a special Waterfall-design Carton and Label to comply with the Food and Drugs Act, which does not allow of the use of the word "fruit" or pictorial representation thereof.

May we send YOU Samples and Prices?

#### **HEALTH SALT?**

Yes! It's a new Lever-lid Tin, with patent inner flange and disc to guard against damp, and owing to the very large quantity of the tins which we can take at a time we are able to offer it at a price which is very low in view of prevailing conditions. As you see, it gives a brisk and lasting effervescence and is very palatable.

May we send YOU Samples and Prices?

#### LEMONADE CRYSTALS?

Another new packing? Quite so! We're always improving on our previous best, and always hope to be able to do so.

#### SEIDLITZ POWDERS.

We pack these in bottles and in tins for export.

May we send YOU Samples and Prices?



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Manufacturing Chemists & Perfumers, 212/214 Great Portland Street, LONDON, W.

March 1, 1915.

Dear Sirs,

We beg to notify you that the pharmaceutical products on our pharmaceutical price list will in future be handled by the International Chemical Company, Limited.

This arrangement will in no way affect the trade, inasmuch as prices, terms, etc., will not be altered in any way.

We are devoting our entire energies to Tokalon Toilet Products, and hope to be favoured with your esteemed orders and inquiries as usual.

We take this opportunity of thanking you for the courtesy and consideration you have always shown us in the past, and beg to remain,

> Yours faithfully, TOKALON LIMITED

INTERNATIONAL CHEMICAL CO., Ltd.

Manufacturing Chemists, 67/68 Bolsover Street, LONDON, W.

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Dear Sirs,

We beg to inform you that we will in future handle the pharmaceutical lines formerly listed by Tokalon Limited, and will act as Sole Distributors of Bisurated Magnesia in all its forms.

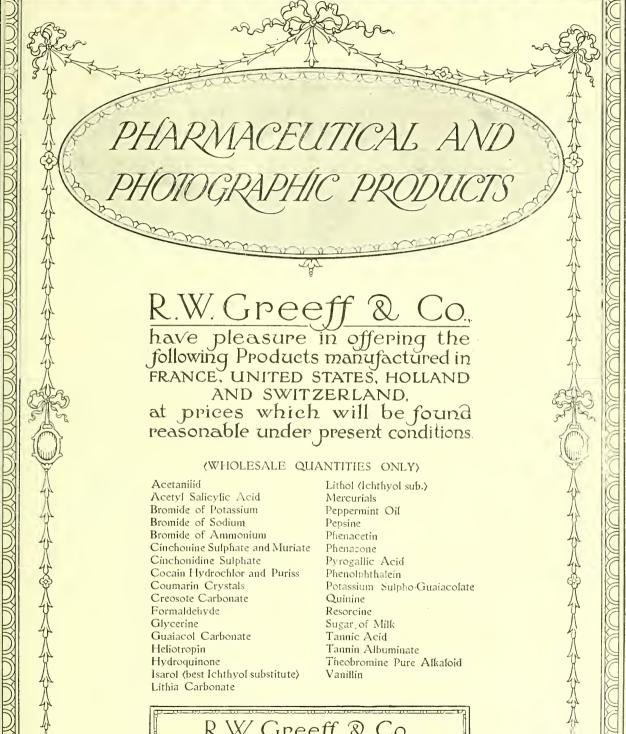
We should therefore esteem it a favour if you will kindly address all inquiries and orders to us.

There will be no change in either prices or terms, and we trust that you will continue to accord these preparations your valued support as in the past.

We beg to remain, Yours faithfully, INTERNATIONAL CHEMICAL CO., LTD.

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Either of the above firms will gladly forward full Price List of the various preparations they are handling, and particulars of their terms of business.



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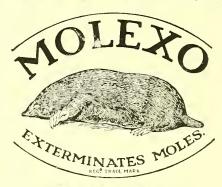


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Page

#### INDEX TO ADVERTISEMENTS IN THIS ISSUE.

Head Office: 42 Cannon Street, London, E.C. Telegraphic Address: Chemicus, Cannon, London. Telephone No. 3617 Central (3 lines)
Branch Offices: Melbourne, Stdney, and Adelaide, Australia.

The Arabic numerals (1 to 72) in this Index refer to Advertisements in front of the literary pages, the Advertisements following the literary pages are numbered in Roman numerals (i to lxiv).

Pas B	
e Chem. Co. Ltd xxxii	Crawshaw, E
tors, Ltd	Cresswell Br national S
astine Co. (British), Ltdlxiii	Ltd
andre, Llxiii	Crimson Cros
& Hanburys, Ltd.lc, I7, Cover	Cupal, Ltd
1, Stafford, & Sons, Ltd 37	Cuxson, Gerr
nce Drug & Chemical Co. xxiii	Daisy, Ltd
o-American Pharmaceu-	Dale, John, M
al Co., Ltdxxv	Davies, Sons
pra Perfumery Co 46	Davis, J. M.,
clation of Manufacturing emists, Ltd xx	Deans, Logan
y, W. T., LtdCover	Deions, Ltd.
on-Graham, Ltd lxi	Digestive Fer
	Dodge & Olco
y, W. H., & Son, Ltd xli	Dore, J., & Co
sr, Parson C Col. Supp.	Duncan, Floc
, J., Sons& Danielsson, Ltd. lvil	Drysdale, J. V
ett & Fosterxlv1, xlvii	Ellison, H., L
or Co., Ltd33	Elt's College
ham, M., & Son 1 44	Evans Sons Ltd
on & Stone, Ltd 46	Ltd
oe & Fish	Exchange Col
sy & Draper, Lt1 3	Expurgo Man
vell, Bidwell & Co., Ltd 50	Fairchild Bros
ce Roherts, A., & Co., Ltd 39	Fellows' Medi
nwell, E., & Son, Ltd lxii	Fentiman, A.
illon, M., & Co	Fentiman, A.
t & Co	Ferber, R., &
ish Casein Co. (1911), Ld28.29	Ferris & Co.,
ish Drug Houses, Ltd Cover	Ferris, J. & E.
ok, Parker & Co. Ltd 34	Ferry, T, & S
ks, Peel & Co 18	Fink, F., & Co
vn & Blackburn lxii	Fletcher, Flete
vn & Sonxxviii	Ford, Shaplan
stele Manfg. Co xx	Forgrove Mac
cher & Haselar, Ltdlxii	Frame Food C
ge, Warren & Ridgley, Ltd. xlv	Freeman's Chi
kett, Sharp & Colxii	Fulham Potte
rough, J., Ltd	Filter Co., L
row, W. & J li	Fullwood, R. J
row, W. & J	Galen Manufa
h, W. J., & Co., Ltd 40	Gardner, W., &
	Ltd
er, J., & Co., Ltd	Gathergood, I
ol Snpply Agencyxliv	Gledhill, G. H.
aty, T., & Co64, i, lxiii	Globe Box Co.
man & Co., Ltd	Goldberg, I. L.
ge of Opticslvii	Gosnell, John,
age of Preceptorslvii	Grant, D
(, E., & Co., Ltd 55	Greeff, R. W.,
i, G	Hackett, S. E.
osr, Son & Co., Ltdlxiii	Halder, E. C.

Pag	,
Crawshaw, E., & Co	i
Cresswell Bros. Branch Inter-	
Cresswell Bros, Branch Inter- national Sponge Importers, Ltd	۸
Crimson Cross Dispensarylxi	
Cupal, Ltd	
Cuxson, Gerrard & Co., Ltdxlii	
Daisy, Ltd 6	
Dale, John, Manfg. Coxxvii	i
Davies, Sons & Co xv	
Davis, J. M., & Sons x	1
Deans, Logan & Co., Ltd lii	i
Deions, Ltdlxii	
Digestive Ferments Co 3	
Dodge & Olcott Co	
Duncan, Flockhart & Covi, xiv Drysdale, J. W., & Sons xvi	7
Ellison, H., Ltdlxi	
Elt's Collegelvi	
Evans Sons Lescher & Webb.	•
Evans Sons Lescher & Webb, Ltdii, vlii, ix	
Exchange Column Col. Supp.	
Expurgo Manufacturing Co 27	
Fairchild Bros. & Foster 72	
Fellows' Medical Mfg. Coxvii	
Fentiman, A.Glxii	
Fentiman, A. J., & Colxiii Ferber, R., & Coxv	
Ferris & Co., Ltd xxiv	
Ferris, J. & Exxxvii	
Ferry, T, & Son, Ltdxxxvi	
Fink, F., & Colxii	
Fletcher, Fletcher & Co., Ld. Text 358	
Fora, Shapland & Co 23	
Forgrove Machinery Co., Ltd. xxix	
Frame Food Co. Ltd 26	
Freeman's Chlorodyne, Ltd 21	
Freudentheil & Coxviji	1
Fulham Pottery and Cheavin Filter Co., Ltdxxxvii	
Fullwood, R. J., & Bland liv	
Galen Manufacturing Co., Ltd. lxii	
Gardner, W., & Sons (Gloucester),	
Ltd xxvii	
Gathergood, Dr. B. W., Exorxvii	1
Gledhill, G. H., & Sons, Ltdlviii	
Globe Box Co	
Goldberg, I. Llxii	١
Gosnell, John, & Co., Ltd 45 Grant, D lxi	ı
Greeff, R. W., & Co	
Hackett, S. E	ı
Halder, E. C	
Harder, E. U	

_
Pag Harker, C.R., Stagg& Morgan, Ltd. 44
Harley, Txxxii
Harrington Bros., Ltdxiii
Harvey & Co., (Dublin), Ltdxxxil
Hawker, A. E 4
Hay, W., Ltdxlix
Haywood, J. H., Ltdxlii
Henry T & W
Henry, T. & W. xi Hertz & Co. 50
Hillcrest Oil Co (Bradford) Ltd.xxiv
llobson, J., & Son
Hovenden, R., & Sons, Ltd 56
Howards & Sons, Ltd iii
Hubbuck, T., & Son, Ltd xiv
Huisking, C. L 50
Idris & Co., Ltdxlvlil
lngram, J. G., & Sonxllii
Isaacs, I., & Coxlii
Jackson, E., & Colviii
Jackson, J. G., Ltdxxviii
Jakson, J., &Co. (Mitcham Rd.) Ld 41
Jewsbury & Brown li
Jeyes' Sanitary Compds., Ld. xxxili
Jones, J. M. & Co xvi
Josephs, P. & Sons, Ltd. Col. Supp
Kay Bros., Ltd 32
Keene & Ashwell, Ltd i
Keene Laboratories 64
Kelland, W. P 63
Kent, G. B., & Sons Ltd58, 59
Kerfoot, T., & Co
Kidston, W. M., & Coxxiv
Lambert, Saml., & Co 36
Lanc-Hall, R., & Co 10
Lang, Jules, & Sonxxxvii
Lea' h & Ross
Lescol Perfumery Co 42
Levermore, A., & Co., Ltdxx, lxii
Lewis, H. K Ivi
Liverpool Lint Co 27
Lloyd, A. S 57
Lloyd, Howard, & Co., Ltdxxi
Lofthouse & Saltmer, Ltd liv
London College of Chemistrylvii
Lorimer, John 26
Lueders George, & Co 38
Macfarlan, J. F., & Co x
M'Glashan, D 26
Macnair A & Co lviii
Mallinckrodt Chem. Works of Canada, Ltdxviii
Canada, Ltdxviii
Mallinckredt Chemical Works
(St. Louis) xiii

ш	Pare	Page		
	e Chem. Co. Ltdxxxii	Crawshaw, E., & Colxiil	Harker, C.R., Stagg& Morgan, Ltd. 44	Mangold, C., & Co xx
v.	tors, Ltd 63	Cresswell Bros. Branch Inter-	lfarley.Txxxii	Markt & Co. (London), Ltd 14
	astine Co. (British), Ltdlxiii	national Sponge Importers, Ltd 60	Harrington Bros., Ltdxiii	Martindale, W
	andre, Llxiii	Crimson Cross Dispensarylxii	Harvey & Co., (Dublin), Ltdxxxil	Mason Bros. & Chapman xxix
ш	a & Hanburys, Ltd.16, I7, Cover	Cupal, Ltd	Hawker, A. E 4	Maw, S., Son & Sons 11
н	, Stafford, & Sons, Ltd 37	Cuxson, Gerrard & Co., Ltdxliji	Hay, W., Ltdxlix	May, Roberts & Co., Ltd Cover
H.	nce Drug & Chemical Co. xxiii	Daisy, Ltd	Haywood, J. H., Ltdxlii	Meade-King, Robinson & Coxxiv
ĸ.	o-American Pharmaceu-	Dale, John, Manfg. Coxxviii	Henry, T. & W xi	Mellin'e Food, Ltd 7
	al Co., Ltdxxv		Hertz & Co 50	Mendit, Ltd xllv
	ra Perfumery Co 46	Davies, Sons & Coxvi	Hillcrest Oil Co (Bradford) Ltd.xxiv	Millar, A., & Co., Ltdxliv
ĸ	clation of Manufacturing	Davis, J. M., & Sons	llobson, J., & Son 1	Milner's Chemical Co 46
	emists, Ltd xx	Deans, Logan & Co., Ltd liji	Holiday & Co liv	Mousanto Chemical Works xii
B.	v. W. T., LtdCover	Deions, Ltdlxiii	Hovenden, R., & Sons, Ltd 56	Natural Food Co.,Ltd 26
и.	on-Graham, Ltd lxi	Digestive Ferments Co 35	Howards & Sons, Ltd iii	Newball & Mason lii
ш		Dodge & Olcott Co 36	Hubbuck, T., & Son, Ltd xiv	Newbery, F. & Sons, Ltd 61
ш	y, W. H., & Son, Ltd xli	Dore, J., & Coxxviii	Huisking, C. L	Nitsche&GuntherOpticalCo.,Ld. lix
Ш	r, Parson C	Dunean, Flockhart & Covi, xiv	Idris & Co., Ltdxlvlil	Northern Collegelvii
и	, J., Sons& Danielsson, Ltd. lvil	Drysdale, J. W., & Sons xvii	lngram, J. G., & Son xllii	Nottingham Perfumery Co 38
	ett & Fosterxlv1, xlvii	Ellison, H., Ltdlxil	Isaacs, I., & Coxlii	
	r Co., Ltd	Elt's Collegelvii	Jackson, E., & Colviii	Cakey, J., & Sons, Ltdxxx
	ham, M., & Son   44	Evans Sons Lescher & Webb,	Jackson, J. G., Ltdxxviii	Oppenhoimer, Son & Co., Ltd 69
	on & Stone, Ltd 46	Ltdii, vlii, ix	Jakson, J., &Co. (MitchamRd.) Ld 41	Orme, Evans & Co., Ltd xlii
	oe & Fish	Exchange Column Col. Supp.	Jewsbury & Brown li	Orridge & Co
	sy & Draper, Lt1 3	Expurgo Manufacturing Co 27		Orrocks, Ltd liv
ж	rell, Bidwell & Co., Ltd 50	Fairchild Bros. & Foster 72	Jeyes' Sanitary Compds., Ld. xxxili	Osborne, Garrett & Co 52
li k	e Roberts, A., & Co., Ltd 39	Fellows' Medical Mfg. Coxvii	Jones, J. M. & Co xvi	Owbridge, W. T. Ltdxxii
и	well, E., & Son, Ltd lxii	Fentiman, A.Glxii	Josephs, P. & Sons, Ltd. Col. Supp	Paine & Co., Ltd xix
	illon, M., & Co	Feutiman, A. J., & Colxiii	Kay Bros., Ltd 32	Parke, Davis & Co 53
	t & Co	Ferber, R., & Coxv	Keene & Ashwell, Ltd i	Pascall, Jas., Ltd 31
	sh Casein Co. (1911), Ld 28.29	Ferris & Co., Ltd xxiv	Keene Laboratories 64	Peat ProductsCo.(Sphagnol),Ld.xlii
	sh Drug Houses, Ltd Cover	Ferris, J. & Exxxvii	Kelland, W. P 63	Pelliot, Henri, & Ciexiii
	k, Parker & Co. Ltd 34	Ferry, T, & Son, Ltdxxxvi	Kent, G. B., & Sons Ltd58, 59	Perken, Son & Co., Ltd lxi
	ks. Peel & Co	Fink, F., & Co	Kerfoot, T., & Co	Phillips, C. H., Chem. Colxiv
	n & Blackburn	Fletcher, Fletcher & Co., Ld. Text 358	Kidston, W. M., & Coxxiv	Pillischer, J., Ltd liv
		Forg. Shapland & Co	Lambert, Saml., & Co	Plasmon, Ltd 27
	n & Sonxxviii	Forgrove Machinery Co., Ltd. xxix	Lanc-Hall, R., & Co 10	Potter & Olarke, Ltdxxvi
	stele Manfg. Co xx	Frame Food Co. Ltd	Lang, Jules, & Sonxxxvii	Preston's Liverpool Dist, Co.,Ld. 38
	her & Haselar, Ltdlxii	Freeman's Chlorodyne, Ltd 21	Lea' h & Ross	Prudential Assurance Co. Ltd. 32
	e, Warren & Ridgley, Ltd. xlv	Fr udentheil & Coxviji	Lescol Perfumery Co 42	
	stt, Sharp & Colxii	Fulham Pottery and Cheavin	Levermore, A., & Co., Ltdxx, lxii	Quelch, II. C., & Co 38
	ough, J., Ltd 48	Filter Co., Ltdxxvii	Lewis, H. K Ivi	Ransom, Wm., & Son, Ltd 43
	oughs Wellcome & Co70, 71	Fullwood, R. J., & Bland liv	Liverpool Lint Co 27	Raworth, J. Elxii
	ow, W. & J li		Lloyd, A. S 57	Read, Holliday & Sons, Ltd xii
	, H. W., & Co., Ltd 22	Galen Manufacturing Co., Ltd. lxii	Lloyd, Howard, & Co., Ltdxxi	Reitmeyer & Co 65
	, W. J., & Co., Ltd 40	Gardner, W., & Sons (Gloucester),	Lofthouse & Saltmer, Ltd liv	Roberts'PatentFillingMach.Coxxxi
	r, J., & Co., Ltd 47	Ltdxxvii	London College of Chemistrylvii	Robinson & Sons, Ltd 19
Ю	l Snpply Agencyxliv	Gathergood, Dr. B. W., Exorxvii	Lorimer, John 26	Roques, F vii
8	ty, T., & Co64, i, lxiii	Gledhill, G. H., & Sons, Ltdlviii	Lueders George, & Co 38	Rosmarine Manfg. Co 51
ľ	nan & Co., Ltd 1	Globe Box Co 18	Macfarlan, J. F., & Co x	Rowe, Wilfrid T xl
a	a , J. & J., Ltd 24	Goldberg, I. Llxii	M'Glashan, D	Rubeck, H Text 358
3/	ge of Opticslvii	Gosnell, John, & Co., Ltd 45		Rudd, F. M 36
	ge of Preceptorslvii	Grant, D lxi	Macnair, A., & Co	Rudduck & Co Col. Supp.
	E., & Co., Ltd 55	Greeff, R. W., & Co 3	Mallinckrodt Chem. Works of Canada, Ltd xviii	Sanatogen Co 25
	Glxi	Hackett, S. E	Mallinekredt Chemical Works	Sangers 54
	er, Son & Co., Ltdlxiii	Halder, E. Clxii	(St. Louis) xiii	Sanitas Co, Ltd Text 358
	worthy Table Water 26	Hardcastle, W., & Son xI	Mandall & Co., Ltd lv	Schutze, F., & Co., Ltd 49
		220000000000000000000000000000000000000		

9	Page
	Scott & Turner, Ltd xx
	Securitas Co., Ltd
	Senier, A., & Co. Ltd 56
	Shirley Bros., Ltd 33
	Sim, Ltd xiii
ı	Singleton & Cole, Ltd lxii
ı	Smith Bros. & Co., Ltd 20
ı	Smith, J. H., & Co., Ltd lxiii
Į	Smith, T. & H., Ltd iv
1	Solport Brosxxxix
ĺ	South of England College lvii
ł	Southall Bros. & Barclay, Ltd30
ł	Spatula Colviii
1	Standard Optical Co., Ltd lx
í	Standardised Disinfect, Co. Ld. xxxiii
ı	Stern Sonneborn Oil Co., Ltd 47
	Stevenson & Howell, Ltd 1
	Stevenson, Hugh, & Sons, Ltd., xxi
	Stipendum Stopper Co 18
ı	Stretton Hills Mineral Water Co. li
	Sturge, J. & E., Ltdxxi
	Swales, Txxxviii
	Templar-Malins, Ltdlxii
	Thompson & Capper, Ltdxxviii
	Tidman & Son, Ltd 33
	Tokalon, Ltd 2
	Tompkins, James, Ltdlxii
١	Toogood, W., Ltdxxxviii
	Townsend, J., & Sons li
	Tye, J., & Sonxliv
	Tyrer, T., & Co., Ltd v
ŀ	Van Horn & Sawtelllgiii
ŀ	Vernon & Co., Ltdxxxvii
	Verona Chemical Co xii
	Viscose Development Co., Ltd 18
	Wand Manufacturing Coxxxvii
	Wander, A., Ltd
	Ward & Goldstone 35
	Wardale, F. C., & Co 34
ł	Warne, W., & Co., Ltd. xxxiv, xxxv
l	Washington Chemical Co., Ltd.xviii
l	West, T., & Son 36
	Westminster Coll. of Pharmacy lvi
	Whiffen & Sons, Ltd xxi
1	Wilcox, Jozeau & Coxxv Wilkinson, J. F
	Wilkinson, J. F 63
	Williams, E., & Coxxxviii
	Wood, Vxlii
	Wright, A. J., Ltdlviii
	Wright, Layman & Umney,
	Ltd
	Youldon, E., Ltdxxxvi
	Zeal, G. Hlviii
	Zimmermann, C., & Co. (Chemi-
	cals), Ltd14, 15

HE BUYERS' GUIDE. In this section, under appropriate headings, are given the names of firms advertising in this or other issues of the month. No charge is made to advertisers for the insertion of their names, but only those who have tracts current for advertising in this journal are mentioned. The headings refer generally to the classes of goods actually advertised, but this is a detailed Guide such as appears in "The Chemist and Druggist Diary." Inquiries addressed to the "Information Department," THE CHEMIST AND INGUIST, 42 Cannon Street. London, E.C., regarding articles not appearing in these pages receive prompt attention, as shown weekly in the editorial pages.

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en & Hanburye, Ltd.
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rroughs Wellcome & Co.
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37

WINDOW DISPLAY COMPETITION



#### Appreciations from Prize-winners

1914—(SECOND SERIES)

- "THE display has certainly increased our sales."
  -OPIE & CO., Penzance.
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  —SAMUEL HOGG, Belfast.
- YOU will be gratified to know that the display has well served its purpose from the business point of view."

  —F. G. BLOCKLEY, Woodgate, Leicester.
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  OT only is it gratifying to be a prize-winner, but there is an all-round satisfaction in handling the Wright specialities.

  The consumer gets good value and is safe in using your goods. The pharmacist is benefited by their ready sale and splendid

goods. The pharmacist is benefited by their ready sale and splendid profit, and lastly, you continue to uphold the motto—(W)right is Might."

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.,		•		•					" Helmitol "
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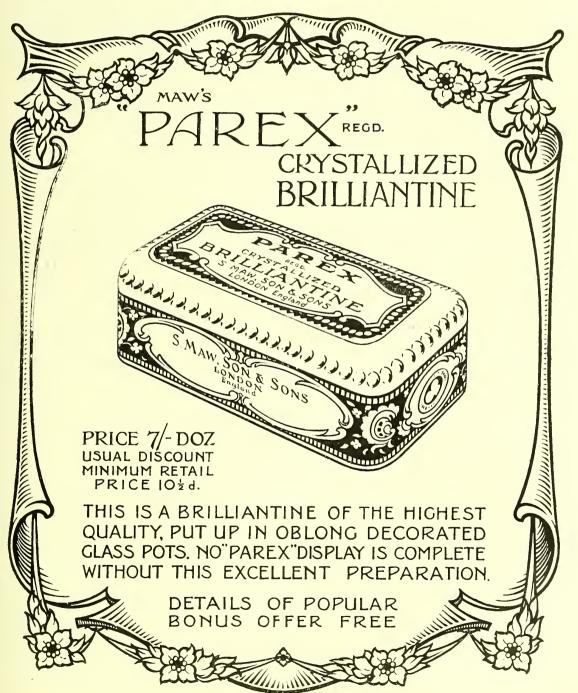
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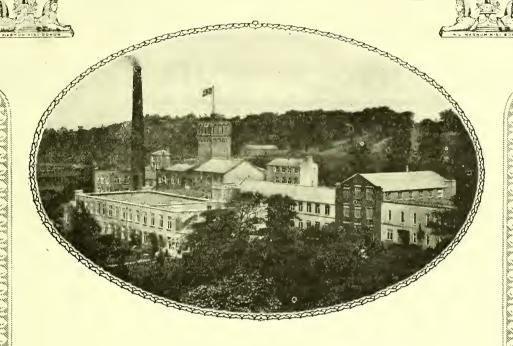
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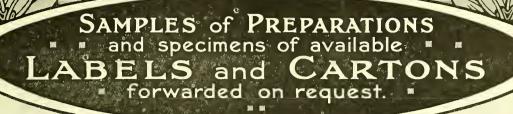
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White glass direct squares cartoned, gelatin coated, 144's, 5/9 doz.

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Plug stoppered Cheltenhams, squat, cartoned, 8/6 doz.

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White glass kalis. corked, capsuled.

2 oz. in 4 oz. 3/6, 4 oz. in 8 oz. 5/6, 8 oz. in 16 oz. 9/6 doz.

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(No. 3 quality).
Blue flats, corked capsuled, 4 oz. in 8 oz. 6/3, 6 oz. in 12 oz. 8/6 8 oz. in 16 oz. 10.9 doz.

#### Effervescent Citrate of Magnesia.

(No. 3 quality).
Cheltenhams boxwood top shives, 3 oz. in 6 oz. 5/3,
4 oz. in 8 oz. 6/-, 8 oz. in 16 oz. 10/3 doz,

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Round cornered tins, lever lidded, 5 oz. 36/-, 8 oz. 62/- gross net.

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Direct squares, corked, capsuled,  $1\frac{1}{2}$  oz. f.c. 3/6,  $4\frac{1}{2}$  oz. 9/- doz.

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Round cornered tins, lever lidded, 5 oz. 36/-, 8 oz. 62/- gross net.

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Wood's plug stopper 'd' heltenhams, capsuled, 6 oz. 7/9, 8 oz. 9/9, 12 oz. 15/6 doz.

Second quality plug stoppered Cheltenhams, capsuled, 6 oz. 7/1-, 8 oz. 9/-, 12 oz. 14/6 doz.

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B.P. loose 6/9, extra strong 8/-, double strength 9/6 gross. Seidlitz Powders.

Boxes B.P. 7/9, extra strong 9/-, double strength 10/6 doz. boxes.

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Sulphate of Quinine.

White glass wide mouth rounds, \(\frac{1}{4}\) oz. in 1 oz. \(\frac{7}{-}\), \(\frac{1}{2}\) oz. in 2 oz. \(\frac{12}{6}\), 1 oz. in 4 oz. \(\frac{23}{-}\) doz.

Allen & Hanburys Ltd., London.

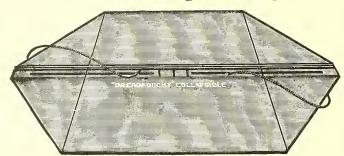




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Leather Cappings



# THE BEST! THE CHEAPEST! THEY ARE SMITH'S, And all BRITISH Manufacture!



#### PRICE LIST (as usual.)

Nos.	0, 1, 2, 3, 3B, 10, 20, 30 for Phials	 •••		4d. per gross
	4, 4B, 40 for 3 to 6 oz. Bottles	 • • •		<b>5</b> d. ,,
,,	5, 5B, $5\frac{1}{2}$ , 50 for 8 to 10 oz. Bottles	 		<b>5</b> ½d. ,,
	6, 61, 60 for pints	 		<b>6</b> d. ,,
	, ~			<b>8</b> d. ,,
2.2	8, Long for Wines	 	• • • •	<b>10</b> d. ,,

Stamping in Relief, Names, &c., 3d. per gross extra. Elastic Bands, small, 3d.; large 4d. per gross.

SYPHON CAPS.

"SOLACE" BRAND TOILET ROLLS.

Can be obtained of all Sundriesmen or direct from the Manufacturers-

SMITH BROS. & CO., Ltd. Manufacturers of DISH & DESSERT PAPERS and all kinds of Fancy Paper Goods.

Head Office-64 Great College Street, London, N.W.

Wholesalers and Exporters do well to send us their inquiries.

Telephone-3855 P.O. HAMPSTEAD.

# Newsfrom the Front!

A GRENADIER GUARDSMAN writes:—(1/1/15). "Your Chlorodyne has proved invaluable. There has been a tremendous lot of rain and snow out here, and the trenches have naturally been very wet; but thanks to your preparation I have kept myself and some of my comrades free from colds."—Lance-Sergeant Austin M. Morris, No. 4 Coy., 1st Grenadier Guards, 7th Div. British Expeditionary Force.

Wherever the British Flag is unfurled

# FREEMAN'S CHLORODYNE

is found; endorsed by Doctors since 1844.

- THE "GLOBE" NEWSPAPER, 17th Sept., 1914, says:—"A bottle of this specific should most certainly form part of every soldier's kit."
- THE "WAR OFFICE TIMES," 15th March, 1914, says:—"No one in the Army or Navy who may from time to time be called upon to serve King and Country—it may be in tropical or unhealthy climates—should be without a supply of this health-preserving, health-restoring medicine."
- THE "CHEMIST AND DRUGGIST," 19th Sept., 1914, says:—"FREEMAN'S CHLORODYNE. The great use of Chlorodyne for Campaigners is acknowledged."
- A DOCTOR (W.G.B., J.P., L.R.C.P.E., M.R.C.S., Eng.) writes:—"Freeman's Chlorodyne is a remedy of incalculable value to the Profession and the Public generally."

# YOUR (Net P.A.T.A.) PROFIT

On every 4s. 6d.

2s. 9d.

and 1s.  $1\frac{1}{2}$ d. bottle and  $2\frac{3}{4}$ d.

Fair, is it not? Then recommend your Customers to send a bottle to their Soldier friends.



To assist your Sales we shall be pleased to send you a supply of Window Cards and Counter Bills, Free of Charge.

CABLES: "Chlorodyne London."



### PEACE AT ANY PRICE!

# BUSH'S Favourite Feeding Bottles



#### THE "REMBRANDT"

An excellent "Two-hole" Feeder with reliable Export cap-valve and seamless

#### THE "IMPROVED CLEOPATRA"

The Screw-neck Boat Shape Feeder with teat and shield. A bottle in much demand. Inexpensive and handy.

#### THE "MY PET'S" COMFORT.

The Feeder of Feeders. Shipped regularly to all parts of the world with screw-neck glass screw, indiarubber tube, teat, &c.

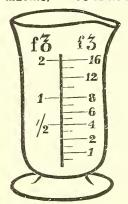
#### ARE UNAFFECTED BY WAR. BUSH'S SUNDRIES LARGE STOCKS ARE HELD OF

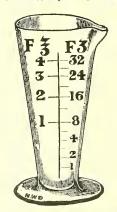
STOPPERED BOTTLES. CORN PLASTERS. TOOTH POWDERS. VIOLET POWDERS. BRUSHWARE. BEDPANS.

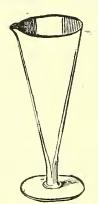
MENTHOL CONES. TOOTH BRUSHES. GLASS URINALS. BUNION PLASTERS. WASHING GLOVES. HYDRO JARS.

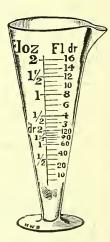
PACKED GOODS. SICK FEEDERS. POWDER PUFFS. TRUSSES (All kinds). BANDAGES. COMBS. TEST GLASSES, &c. &c.

#### All Patterns: GRADUATED MEASURES. TONBRIDGE. ORDINARY. CYLINDRICAL AND CONICAL.









APPLY FOR HENRY W.BUSH & CO. Ltd. Rembrandt Works, Commercial Street, LONDON, (Eng.)





ADVERTISING MATTER.

# LABEL AND

- " LETTERPRESS "
- LITHOGRAPHIC = FINE ART & OFFSET.

Telephone; CITY 65.

Telegrams FORSHAPCO' Westcent, LONDON. ESTABLISHED OVER 70 YEARS

REGISTRATION OF TRADE MARKS

> Great Turnstile. High Holborn. London.wc.

WORKS: WHETSTONE PARK.

NINETY YEARS' REPUTATION.

# TWO POPULAR FOODS

DEMAND INCREASING.

# ROBINSON'S "PATENT" BARLEY

makes

Nutritious Barley Water. A Diluent of Milk for A Febrifuge.

# **ROBINSON'S** "PATENT" **GROATS**

makes

Delicious Gruel for Children, Adults, Invalids, and the Aged.

The following Circular has recently been issued to the Trade:

108 Cannon Street, London, E.C. January 27, 1915.

Dear Sir,-

Owing to the very substantial advance in the cost of manufacture, it has become necessary to raise the price of Robinson's "Patent" Barley and "Patent" Groats, and we beg to advise you that from the above date our quotations for those articles will be as follows :-

1 lb. tins, 8/4 per dozen. 1 lb. ,, 4/4

½ lb. packets, 4/2 per dozen. 3 9 each. 6 lb. tins,

These quotations will admit of an advance of Id. per lb. on the retail prices.

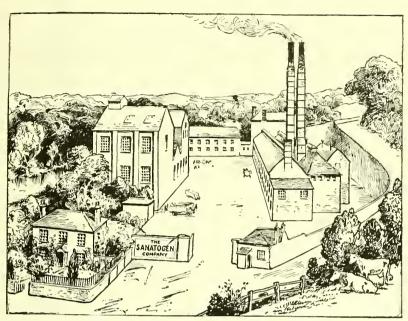
Further, the quotations for Robinson's "London" Barley or Groats will be :-1d. packets, 8/9 per gross.

1 lb. packets, 1/8 per dozen.  $\frac{1}{4}$  lb. packets, in 3 doz. boxes, assorted if required,  $1/8\frac{1}{2}$  ,,

Discounts as heretofore.

Yours truly.

& J. COLMAN, LIMITED.



THE SANATOGEN WORKS IN CORNWALL.

### "Business as Usual" with Sanatogen and Formamint.

"Hold their place among the Best Selling Lines."

London and Penzance Factories working at High Pressure.

Sanatogen and Formamint have for many years been manufactured in Great Britain, and the profits derived from them are entirely under the control of the British Government; the business will become the property of a British Company as soon as possible after peace is declared.

We mention this because there are still some pharmacists who appear to be under the absolutely mistaken impression that Sanatogen and Formamint are made in Germany and send their profits to that country. This is emphatically not the case, and the most patriotic pharmacist need have no hesitation in recommending these products and reaping the excellent profits which they yield.

When a customer buys Sanatogen or Formamint he knows that he is getting a genuine article of the highest quality; in most cases he has probably tried it

before; experience has taught him that it is really a good thing, which can be relied upon to do what is claimed for it.

It is for this reason that Sanatogen and Formamint have, slowly but surely, won the confidence of physicians and the public. In one word, Sanatogen and Formamint have gained a bedrock reputation. Such reputations are not built in a day, nor can they be destroyed in a day; passing conditions may affect them temporarily, but cannot overthrow them. For reputation is built on merit—and merit lasts when everything else is forgotten.

The recent increase in the sales of Sanatogen and Formamint clearly indicates that these products continue to be held in the highest esteem, and will thus yield steadily increasing profits to every pharmacist. As a leading pharmacist recently stated: "Sanatogen and Formamint will always hold their place among the best selling lines."

The Sanatogen Company, 12 Chenies Street, London, W.C.

MILK CASEIN. LECITHIN

All-Milk Products. **GLYCERO**=

of LIME, IRON, SODA, POTASH, &c

answering severest tests.

MILK CASEIN with GLYCERO= **PHOSPHATES** 

In bulk, or tins under Buyer's Labels.

BROMIDES,

American.

Regular Imports.

MALT AND MILK **POWDER** and **TABLETS** 

119 Finsbury Pavement, London, E.C.

Selling Agent for The English Drug & Chemical Works, Ltd. ALL BRITISH PRODUCTS EXCEPT BROMIDES.

FOOD A Soluble Maltose Food.

Starch free

INFANTS'

IONONE,

MUSK=

AMBRETTE

**GUAIACOL** and CARBONATE

ALL BRITISH

In bottles with Measures. 4 8 16 oz. 1 gail. Special prices in bulk.

METOL SALOL BARBITONUM

A GOOD LINE FOR CHEMISTS. MEH

SHOWCARDS FREE.

ON P.A.T.A. LIST. FRAME FOOD CO., Standen Road, Southfields, London.

Food for Bables, Prepared Barley, Brunak, Power, N-F. Cocoa. Biscuits, Soup, Mutbutter (Walnut Brand), Wholemeal, &c.

NOTICE TO THE TRADE.

We issue a list of WHOLESALE HOUSES who keep above in stock; if for any reason you have difficulty in obtaining supplies, please send postcard direct to us, and a list will be sent to you by return. See trade mark on all our goods: "T. R. ALLINSON." None Genuine Without.

NATURAL FOOD COMPANY, LIMITED. 305 Cambridge Rd., Bethnal Green, LONDON, E.

Handbills, Booklets, Showcards, &c., Free.

N.B.—Our goods are to be sold only at prices stated upon the Price List we issue to the trade.

ALL CHEMISTS SHOULD STOCK

THE GOLD MEDAL FRUIT DRINK.
Quick Seller. Big Profits. Quarter of a Century's Reputation.

'ABDINE" is the most popular Health Drink. Superior to all Mineral
Waters, Sold in Id. Packets, and Boxes of 13 Packets at 1/Order through your Wholesale Drug House.

D. M'GLASHAN, M.P.S., 12 West End Place, EDINBURGH.
Wholesale Prices on Application

The British Substitute for Evian, Contrexéville, Vittel and Vichy.

Rheumatism, and Dyspepsia. Vichy.
COULSWORTHY, KENTISBURYFORD, BARNSTAPLE

#### ALL BRITISH.

Order a line of the wonderful new food-beverage

# PLASMON OAT-GOGOA

retailing at 1/4 per lb. tin;  $4\frac{1}{2}$ d. per  $\frac{1}{4}$  lb. tin.

#### THE PROFITS TO THE TRADE ARE:

3d. on each lb. tin—?d. on each 4-lb. tin, exclusive of our usual discounts.

"LANCET" Report, Oct. 24, 1914 .- "Plasmon Oat-Cocoa is a very palatable and highly nutritious food and contains an abundance of phosphates,'

### PLASMON CHOCOLATE is supplied as an BRITISH TROOPS.

NOTE.—No advance in prices of any Plasmon Preparations. The Retail Prices are stated on all packages,

ASMON, LTD. FARRINGDON STREET, LONDON, E.C.

# Expurgo Anti-Diabetes

The only reliable and thoroughly satisfactory Remedy for Diabetes-Mellitus which has a record of complete cures.

REPORT FROM A PROMINENT PHYSICIAN.

I am satisfied your preparation has cured several of my patients. Expurgo Anti-Diabetes is particularly effective in combating and neutralising the diabetic poisons and in completely eliminating the sugar excretion characteristic of this disease.

The Medical Faculty is also recommended to try Expurgo Lapis—a particularly valuable preparation in the treatment of Call Stones, Kidney and Bladder Stones and Cravel.

Expurgo Anti-Diabetes, per bottle 8/-, less 25% Expurgo Lapis - per bottle 6/-, less 25%

Carriage paid on orders of 1 dozen.

THE EXPURCO MANUFACTURING CO.. 815 North Clark Street, CHICAGO, ILL., U.S.A.

Distributing Agents: Rocke, Tompsitt & Co., 4 Redcross Street, London, E.C.

THE

### LIVERPOOL LINT CO

MARK STREET MILLS. NETHERFIELD ROAD NORTH. LIVERPOOL,

MANUFACTURERS OF

LINTS. BANDAGES. COTTON WOOLS, SURGEONS' TOW, CARBOLIZED TOW, SPLINT PADDING. WADDINGS, &c. &c.

As supplied to Home and Foreign Governments.

"IMPERMIETTE" (Waterproof). "IMPERMIETTE" BED SHEETING. "HEALTH" CHEST PROTECTORS. "YULNOPLAST."

**ABSORBENT** TISSUE



FIRST FIELD DRESSINGS

"LINT LIVERPOOL"

Telegrams:

No. 1.

B.C.C. NEWS PAGE.

No. 1.

Ltd.

#### In cases of nervous disorders,

as you know, Phosphorus is a fine nerve tonic—when it is in such a form that it can be assimilated.



Terms.—14 days net or 2½% discount cash with order. An additional 5% allowed on orders up to the value of £5 assorted, or one size.

#### Profit 110 %

For the convenience of chemists who wish to pack under their own name, we also supply our Tonic Food in bulk, in packages of 7, 14 and 28 lb. Prices on application.

# ALBUMOZO Tonic Food

should be recommended in all cases where nervous disorders are present, because it is not only a valuable food in itself, but contains 5% sodium glycerophosphates and can be taken by the most debilitated with the sure knowledge of quick and wonderful results.

Easy to Take, Pleasant to Taste.

Wholesale,	To Retail at
2 oz. 8/- per doz	tins. 1/3 per tin
4 oz. 12/6 ,,	2/- ,,
8 oz. 18/-	3/6 ,,
16 oz. 30/- ,,	6/- ,,

# Profit and Prestige Makers

B.C.C. products not only carry really "worth-while" profits, but are so skilfully compounded and so steadfast in quality that you can confidently recommend them to even your most critical customers. By handling our lines you can build up prestige and increase goodwill.

Casein Co. (1911)

Milk Proteid, Sodium Glycerophosphates and Ovo-lecithin are the constituents of

### CASOGEN Tonic Food

All prepared and blended in such a way that the product is superior to and distinct from all others. Contains 1½% natural Lecithin organically combined with the natural Lecithin of the Glycerophosphates and the Organic Salts (Phosphates) of Milk Proteid. It is an ideal food in cases of Neurasthenia, Anemia, Nervous Debility, Dyspepsia, Neuritis, Influenza and Intestinal Atony.

Note.—All our Preparations may be had in Bulk, packed in air-tight, tin-lined packages of 14, 28 and 56 lb. Our reason for doing this is to enable chemists or export merchants to sell them as their own proprietary. Ten times more nourishing than ordinary cocoa is

# ALBUMOZO COCOA

This fact alone gives you a fine selling point. This preparation consists of the Finest Cocoa and Pure Milk Proteid ideally blended to produce a perfect tissuebuilder and nerve - bracer. Packed in 8 and 4 oz. tins, it is a profitable and quick-selling line at 1/3 and 9d.

# A New B.C.Co. Line ALBUMALT

This line is as reliable and profitable a one to handle as the better-known ones. It is eminently suitable as a diet for all cases of fever, digestive complaints and wasting diseases, whilst for aged people and nursing mothers it is superior to all others. Write for fuller details.

SAMPLES and full particulars of any of our preparations sent anywhere if the "Chemist & Druggist" Colonial orders through indent merchants.

Our products are specially packed to suit the requirements of all climates.

The BRITISH CASEIN CO. (1911) Ltd., 24 Gt. Dover St., London, S.E.

Cables-" Albumozo London." (All Codes used.)

Telephones-309 Hop (2 lines).

# Praise from Official

14th December 1914

Mccore the British Cassin Coy. Ltd. I wish to tell you of the great

benefit that I have derived from the use of Albumozo for myself doring rather strengous work for the last four months owing to Having been recommended to try it, I did so without Ench hope of any effect. The result however has been so remark-Bhlo in proving 1ts stimulating and sustaining qualities that the war.

in gratitude to you I feel 1 should let you know of it. You are at liberty to hake any use of white letter, Provided you do not publish my name or address; or assignation

OULD we but divulge the name and titles of the distinguished author of this letter, you would realise how weighty with you should be his opinion.

> You can feel sure if Albumozo Tonic Food gives such satisfaction to the expert, it will more than please your customers.

It will please YOU, because it sells rapidly and carries a

Minimum Profit of 110 per cent.

Albumozo Tonic Food is 95% pure soluble milk casein, and 5% sodium glycerophosphates. Packed in 2, 4, 8, and 16 ozs. attractively labelled tins, retailing at 1/3, 2/-, 3/6 and 6/-, respectively. Mention "Chemist and Druggist," and we will send samples FREE, and post free, to any part of the world.

> THE BRITISH CASEIN CO. (1911) LTD., Great Dover Street LONDON, S.E.

Cables :- "Albumozo, London."

Telephones :- 309 Hop; 8633 Central.

# VITAFER

REGISTERED TRADE MARK)

j.tigi

spec

### THE ALL-BRITISH TONIC FOOD.

Awarded Gold Medal at the International Congress of Medicine, London, 1913.

VITAFER is the Tonic Food that fortifies the system against

### MALARIA, ENTERIC & DYSENTERY,

and is most valuable in the after-treatment of parasitic diseases, as also in the general treatment of all nervous affections, such as Neurasthenia, Brain Fag, &c.

It is packed suitably for special markets —e.g., for India and the Tropics, in bottles containing 4 oz., 8 oz. and 16 oz.

Wholesale Agents or Merchants should in all cases specify the market, so as to get the right packing. As a GUIDE TO BUYERS, the PRICES FOR THE HOME TRADE are as follows: In Square, Upright Tins, containing 2 oz., 4 oz., 8 oz. and 16 oz.

Wholesale: 9/-, 14/6, 24/-, 42/- per doz.

Export Terms and Full Particulars of Advertising Aids on Application.

# SOUTHALLS' New Chemical Laboratories

Specially designed and erected for the manufacture of fine chemicals, these laboratories have been equipped with the most up-to-date plant and machinery for the preparation of pure products.

## WE MANUFACTURE

Chloroform (in amber stoppered bottles or sealed flasks)

Potassium Iodide Ferri et Quininæ Cu. Ferri et Ammon. Cit. Sodii Sulphas, "Pea" and "Feathery" Citrates of Potassium and Sodium

Benzoates

Iron Salts, etc. etc.

Special Prices for large quantities and Contracts on application.

SOUTHALL BROS. & BARCLAY, LIMITED, BIRMINGHAM.

# here is always a uick sale for ure sweetmeats—

oth for those with qualities, and for popular con. and palatable character.

Chemists who do not hold a represe Pascall's famous specialities are losing profitate. Customers who buy Pascall's come back for more.

ked for Export in screw-cap Jars, tight decorated Tins, and special Boxes.

The pascall's for Purity

Chocolates and Sweets must Chocolates and Sweets must Chocolates and Sweets must Chocolates and Sweets must of flavour, and of flavour, and of flavour, and of flavour, and of flavour, of cellence of lates and square jar scall specifically specifiashioned real square jar square jar specifiashioned real square jar square ja

S.H.B. produce.



Among the favourite "Pascall" specialities are the original old-fashioned

Mint Bull's Eyes & Barley Sugar manufactured by up-to-date methods which ensure absolute reliability.

A few varieties of "Pascall" Chocolates
"Countess" "Furzedown"
"Royal Taste" Sweets"

Hooray

"Doctor told Mummy needn't have any more of that old codliver oil if I'd take Pascall's Golden Maltex! I should just about think I would! They're the rippingest sweets I ever

Doctors do in fact recom-Golden mend Pascall's Maltex instead of Cod-liver oil. They know that

this pure Food-Sweet makes children strong.

For in every golden "cushion" in the Pascall bottle there is 25 % of Allen & Hanbury's pure malt extract, scientifically combined with refined sugar and pure butter to make a Food Sweet of great strengthening and healthsustaining value. Every time you give a child Pascall's Golden Maltex you are doing something to make him sturdier and bonnier. Get some to-day.

4 ozs. 3½d.; 6d. & 1/- bottles. Golden Maltex Borbons, in tins, 6d.

> James Pascall, Ltd., London, S.E.

CITY EXPORT OFFICE:

J. L. Morrison, Son & Jones, 20 Eastcheap, E.C.



# Dichroic Ink

Makes Writing Easy

Proprietors:

Bewley & Draper, Itd., Dublin.

### "LINSEED COMPOUND"

REGD. TRADE MARK OF

KAY'S COMPOUND ESSENCE OF LINSEED.

(Now upon the P.A.T.A.)

The above is a well-advertised remedy of over 40 years' proven efficacy for the relief of COUGHS and COLDS.

Supplied by all the Wholesale Houses in London and the Provinces.

ALSO MAKERS OF

"KAY'S TIC PILLS."

MOUNTAIN FLAX ('Linum Catharticum')
PILLS.
Trade Mark.

"CHLORO-LINSEED" COUCH LOZENCES.

"COAGULINE."

Transparent Cement for broken articles. 6d. bottles.

"TENASITINE."

A Liquid Cement in Tubes, 1d., 2d., 3d. and 6d.

"KLINX,"

Hydraulic Cement (heatproof), 6d. Tins.

# KAY BROTHERS, LIMITED, STOCKPORT, England.

Telegrams: "Kay Stockport."

Telephone: 247 Nat.

### Prudential Assurance Company,

LIMITED,

Chief Office-Holborn Bars, London.

#### Funds exceed £91,000,000.

Summary of the Report presented at the Sixty-sixth Annual Meeting, held on March 4, 1915.

ORDINARY BRANCH.—The number of policies issued during the year was 65,751, assuring the sum of £6,313,843, and producing a new annual premium income of £424,353. The premiums received during the year were £5,035,625, being an increase of £115,107 over the year 1913. In addition, £10,315 was received in premiums under the Sickness Insurance Tables, The claims of the year amounted to £4,014,658. The number of deaths was 9,351. The number of endowment assurances matured was 24,966, the premium income of which was £136,735.

The number of policies in force at the end of the year was

INDUSTRIAL BRANCH.—The premiums received during the year were £8,176,202, being an increase of £301,746. The claims of the year amounted to £3,373,850, including £398,360 bonus additions. The number of claims and surrenders, including 6,731 endowment assurances matured, was 392,883. The number of free policies granted during the year to those policyholders of five years' standing and upwards who desired to discontinue their payments, was 103,514, the number in force being 1,947,556. The number of free policies which became claims during the year was 46,364.

The total number of policies in force in the branch at the end of the year was 20,085,010; their average duration exceeds thirteen years.

thirteen years.

The assets of the Company, in both branches, as shown in the balance sheet, are £91,202,344, being an increase of £4,209,341 over those of 1913.

The outbreak of hostilities in August last placed upon the Directors the grave responsibility of deciding what charge, if any, should be made to policyholders on active service. After careful consideration it was decided to charge no extra premium in respect of existing policies on the lives of those engaging for the period of the war, and in respect of existing policies on the lives of other members of the regular forces it was decided that £250 of assurance on any life should be exempted from the payment of extra premium.

In the Ordinary Branch a reversionary bonus at the rate of £1 10s, per cent, on the original sums assured has been added to all classes of participating policies issued since the year 1876.

In the Industrial Branch a bonus addition will be made to the sums assured on policies of over five years' duration which become claims either by death or maturity of endowment from the 5th of March, 1915, to the 2nd of March, 1916, both dates inclusive, as follows:—

	P	REMI	UMS	Paid	Fo	R	BONUS ADDITIO
5	vears	and	less	than	10	years	 £2 10s. per cer
10	. "				15		 £5 ,,
15		.,			20	91	 £5 ,,
20	11	.,	- 11	11	25	.,	 £7 10s. "
25	.,			11	30		 £10 .,
30	,,	- 11	,,	**	<b>3</b> 5	17	 £12 10s. "
35	.,,	**	,,	**	40	17	 £15 ,,
40	,,	,,	,,		45	17	 £20 ,,
45	11	,,	- 11	11	59	,,	 £30 ,,
5)	.,	11	11	**	55	,, .	 £40 ,,
55	.,	11	,,	,,	60	11	 £50 "
60	**	an	d up	ward:	s.		£60 ,,

The six Prudential Approved Societies formed under the National Insurance Act, 1911, have done important work during the year, and the membership continues to increase. Since the commencement of the Act the Agency Staff has distributed benefits exceeding £3,000,000 to the members at their own homes.

Messrs, Deloitte, Plender, Griffiths & Co. have examined the securities, and their certificate is appended to the balance sheets.

THOS. C. DEWEY, Chairman.

W. J. LANCASTER, F. SCHOOLING, Directors.

J. BURN. Actuern.
G. E. MAY, Secretary.

The full Report and Balance Sheet can be obtained upon application.

# "ASPIRIN"

(ORIGINAL BAYER PRODUCT)

### P. A. T. A.

 $25 \times 5$  gr. Tablets . . . 6/6 per doz.  $100 \times 5$  gr. , . . . 20/- ,

THE BAYER CO., Ltd. 19 St. Dunstan's Hill, LONDON, E.C.

#### TIDMAN'S SEA SALT.

ON P.A.T.A. LIST. INCREASED PROFITS TO ALL WHO KEEP IT IN STOCK.

Orders of Twenty Shillings value and upwards Carriage Paid— Cases Free, less 2\frac{1}{2} % Discount for Cash.

	Advertised	Minimum	Minlmum			
	Price.	Retail Price.				
	Per Box.	Per Box.	Per Gross.			
1d. Packets	1/	12in box 11d.	8/6			
2d. ,,	2/	,, 1/10	16/9			
1d. linen Ba	gs 1/	,, 11d.	8/6			
2d. ,, ,,	1/	6 in box 11d.	16/9			
Boxes, about	13lb. 4d	3½d.	2/10 pr. doz.			
	31., 8d	7d.	5/8 ,,			
	7 1/2	1/-	10/- ,,			
	4 2/	1/10 '	18/3			
SINGLE BAGS	of following	3 sizes sent CARR on, so that there is	AGE PAID to any			

| Advertised | Minimum | M

The following are also sent, carriage paid, cases free, to any place in the United Kingdom, for net cash: 4—71bs, Boxes, 3/6 the lot; 6—71bs. Boxes and upwards at 10/perdozen (list price). Orders for assorted sizes to the value of 7/6 and upwards.

#### TIDMAN'S SEA SOAP, beautifully perfumed.

Advertised	Minimum Minimum
Price.	Retail Price. Wholesale Price.
Box of 3 large Tabs. 1/- each	10½d 7/6 per doz. boxes
" 6 small Tabs. 6d. "	5d 3/9
Bars about a-lb. 5d. ,,	4d 3/- per doz. bars.
,, ,, 1-lb. 10d. ,,	8d 6/- ,

Accounts Monthly Net due 10th of following month. Terms for Seidlitz Powders, Pinnacle Soap Stands, Toilet Soaps, &c., sent on application.

TIDMAN & SON, Ltd., Wapping, London, E. **ASPIRIN** 

is everybody's; therefore will be "cut to the death," and not worth handling.

### "ANGLOPIRIN"

in Fill (1) The first of the fi

is registered, and on the P.A.T.A.; hence is the line for Chemists to push.

British Owned, British Compressed, and Bonus given.

Packed in bottles of 25, 50 and 100, each in

Retail Prices: 9d., 1/3 and 2/3 respectively. Trade Prices: 5/6, 8/6 and 17/- per dozen.

Coupled with a special BONUS as follows:
With 3 dozen Small we will give ½ dozen free—3
dozen small will cost the Retailer 16/6; the 3½
dozen obtained will realise 31/6 = 15/- profit on
an outlay of 16/6.

With 2 dozen Medium we will give one-third of a dozen free—2 dozen medium will cost the Chemist 17/-; the 2\frac{1}{3} dozen will realise 35/- = 18/- profit on an outlay of 17/-.

With 1 dozen Large we will give one-sixth of a dozen free—1 dozen large will cost the Chemist 16/-; the 18th dozen will realise 31/6 = 15 6 profit on an outlay of 16/-.

The "ANGLOPIRIN" Tablet rapidly disintegrates, which is of the utmost importance if it is desired to displace the German article.

SHIRLEY BROTHERS, Ltd., Whitecross Works, LONDON, S.E.

# TO THE HOME TRADE AND EXPORT MERCHANT SHIPPERS

WE SOLICIT YOUR INQUIRIES FOR

# COMPRESSED TABLETS

AND SOLVELLAE

(BULK AND PACKED, ALL SIZES)

WE OFFER BOTH THE MEDICINAL AND CONFECTIONERY FORM
AT MOST ADVANTAGEOUS PRICES.

SULPHUR TABLETS INDIGESTION TABLETS LIQUORICE PELLETS AND SIMILAR LINES

We make in various sizes, shapes and combinations, and supply either in bulk or wide-mouth glass jars with showcards and other advertising matter.

PLEASE WRITE FOR OUR PRICE LIST AND TERMS.

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# DENTISTRY

(Mechanical).

Expert Workmanship.
Popular Prices.
Prompt Service.
Guaranteed Materials.
Postal Advice and Aid.

- "Dentistry for Chemists," post free.
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  Complete Outfits for Stopping
  Teeth (with Instructions),
  £ 2 2s.

Sole Agents for WARD'S LOCAL ANAESTHETIC.

The SAFEST AND BEST. Reduced Price, 1 oz. 1s. 6d.; 4 oz. 5s.

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High Proteid Content.

Low Ash.

Free from Diluents.

THYROID SUBSTANCE

DIASTASE **PEPSINES** 

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PANCREATIN TRYPSIN

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We devote our whole time and attention to the manufacture of Digestive Ferments and Organo-Therapeutic Products, and we claim to produce the HIGHEST qualities at the LOWEST prices.

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STOCKS HELD BY MAY & BAKER, LTD., BATTERSEA, LONDON. s.w.

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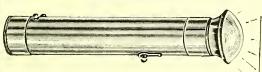
Contractors to H.M. Government, Box 14, SAMPSON WORKS, SALFORD, MANCHESTER.

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WE ISSUE A LARGE ILLUSTRATED CATALOGUE OF SPLENDID ELECTRICAL NOVELTIES, POCKET LAMPS, HAND LAMPS, &c., POST FREE ON APPLI-CATION. Mention the "CHEMIST AND DRUGGIST."

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THE "SIRDAR.' Size 10\frac{1}{4} in.

All-metal non-rusting Electric Torch, fitted with large powerful bull's-eye lens, 2\frac{1}{2} in. diameter. Complete with large 3-cell torch refill and metal filament bulb Price 5/- each uet.

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Very attractive Electric Torch at a popular price. Com-plete with 2-cell battery and metal filament bulb. Price 1/- each net.

Large selection of Torches for Military and Civilian use. See our "N" Catalogue.

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High-grade Pocket Lamp Refills.

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Prices from 4/- doz. net.

Every type of Dry Battery manufactured.



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### THE "BELLA" ELECTRIC HOUSEHOLD LAMP.

A very effective, useful and strongly made lamp for domesticuse. Provided Provided complete with opal glass shade, battery and metal fila-ment bulb. Price 2 4 each nct. Takes the Standard size pocket lamp battery which is concealed in the base. Height over all 73 in.



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Oil of Peppermint (Highest Qualities)

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For Chemists & Confectioners.

# OKELL'S ORICINAL

(First introduced by the late JOSEPH O'KELL).

Registered Trade Mark, "DOUGLAS PIER."

The most popular and best-selling perfume in the market. Retail Prices ... 1/-,1/9, 3/6, 6/-, 7/6, 10/6, per Bottle,

ALSO 3d. SAMPLE BOTTLES.

Shippers and Wholesale Buyers supplied on the best terms by THOMAS WEST & SON, 1187 Chester Road, MANCHESTER.

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Importers and Exporters.

First hands for all

Estd. 1870.

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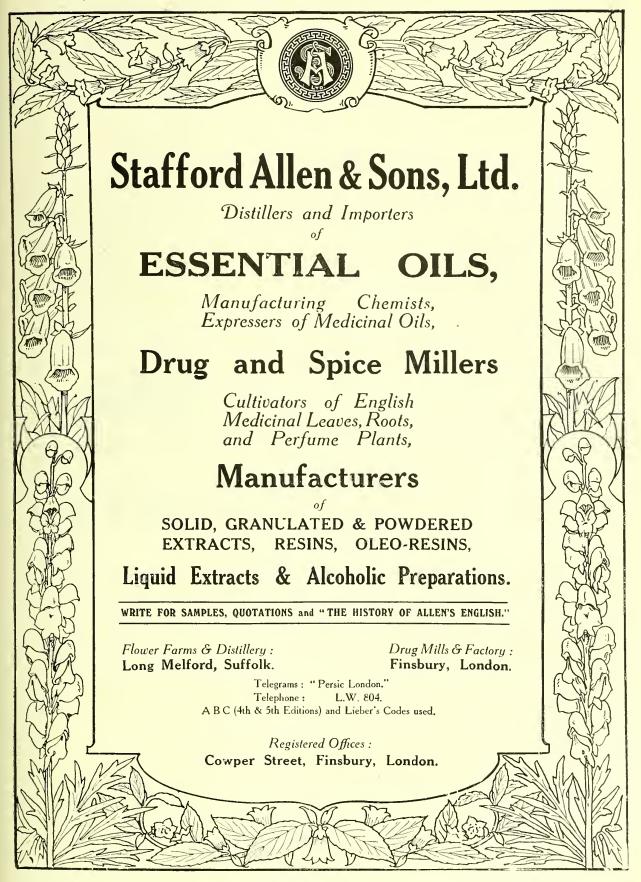
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Sole Agents for:

Oils: Lemon, Bergamot, Orange; Terpeneless Oils: Lemon, Bergamot, Orange.—Fratelli de Pasquale & Co., Messina. Bay Rum and Bay Oil.—Bornn, St. Thomas.
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The Largest Makers in the Kingdom.

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We have been successful in manufacturing a line of Grease Paints in every way equal to the line of foreign paints which have so long held the market. Colours and Numbers are exactly the They have been thoroughly tested by eminent members same. Theatrical profession with most satisfactory results. of the

> All Colours, 3/6 per doz. Lining Pencils (short), 2 - per doz. Lining Pencils, 2/9 per doz.

> > Now is the time to give English Grease Paints a trial. Send us a sample order for 1 dozen which we will send post free on receipt of postal order, or they can be ordered through any Wholesale House.

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## FLAVOURING EXTRACTS FOR PURITY.

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- " Stratford (London) firm included two Grands Prix, two Diplomes
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Almond Aniseed Carraway Cherry Cinnamon Clove Currant, Black Coffee

### **EXTRACTS**

Special Label.



"Trufruit" Extracts are only sold under the above Registered Label.

### "TRUFRUIT"

Lemon Lime Orange, Sweet Bitter Raspberry Strawberry Tonquin Vanilla

### **EXTRACTS**

Samples and quotations for any of the above preparations will be forwarded upon receipt of application direct or through our local agents.

SOLE MANUFACTURERS-

# A. BOAKE ROBERTS & CO.,

Stratford, LONDON, E.

# POTTER & MOORE'S



Finest Old English Mitcham

# LAVENDER WATER

### PRICES NOT ADVANCED.

1/6 size - - 13/- doz. 2/6 ,, - - 22/- ,, 3/9 ,, - - 33/- ,, 6/6 ,, - - 54/- ,, 12/6 ,, - - 96/- ,,

Write for particulars of Advertising Scheme for Chemists only.

# POTTER & MOORE'S Genuine English EAU DE COLOGNE

A high-quality Cologne of unique distinction.

2 oz. 8/6 per doz. Minimum retail 1/-

4 oz. 14/6 .. .. .. .. 2/-

ENGLISH BOTTLES. ENGLISH SPIRIT.

Essential oils produced in our own establishments. Sample upon application.

PROPRIETORS-

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And at MELBOURNE, SYDNEY, MOSCOW & NEW YORK.

N.E.



# EAU DE COLOGNE.

Manufactured in Great Britain. LESCOL BRAND No. 58.

FINEST VALUE IN COLOGNES ON THE MARKET.



Very acceptable and necessary

PRESENTS FOR THE SICK.

IN

1-oz.

2-oz.

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2-oz. wickered 4-oz.

 $\frac{1}{2}$ -pt.

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Quart wickered

Please write for our new Price List. Illustrated by Colour Photography.

SHOWCARDS SUPPLIED.

Finest Perfumery to suit all markets and requirements.

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'Phone-No. 810 Hop.

Telegrams-" VANILLIN, CAMBER, LONDON."

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INTERNATIONAL EXHIBITIONS, LONDON, 1862, CHICAGO, 1893; PRIZE MEDALS AWARDED FOR EXTRACTS, OILS, HERBS; ALSO AWARD AT PARIS EXHIBITION, 1867.

Green Extracts, Standardised Extracts, Physiologically Tested Tinctures, Essential Oils of Lavender and Peppermint, Expressed Juices, Scammony Resin, Jalap Resin, Elaterium, Mercurial Pill and Ointment, Aloin, Euonymin, Iridin, Leptandrin, Dried Medicinal Leaves, Dandelion Root, Sal Volatile, Quassia Extract.

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IN BOND FOR EXPORT.

# WILLIAM RANSOM & SON, Ltd.

(Estab. half a century), Mfg. Phar. Chemists,-Distillers of Essential Oils, Cultivators of Medicinal Plants,

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# FEATHEREDGE . . RUBBER SPONGES

are

thoroughly sanitary and do not

harden.



PROFITABLE TO HANDLE.



To be obtained of all Druggists'



Sundries-

6

men.

## Markt & Co., London,

American Merchants,

SOLE IMPORTERS,

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LONDON, E.C.

# "LAROLA"

(Registered)

Is the Skin Tonic for 1915.

It is effective.

It is attractive.
It is price-protected.
It is well-advertised.
It sells readily.
It bears a good profit.

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THIS IS WHAT THE "C. & D." SAYS OF IT:

BEETHAM'S New Showcard.—One of the prettiers lithographic productions which have come to us lately is the Larola beauty here depicted. The card measures 24 in. by 18 in., and is all roses, even the word 'Larola' being formed from prickly rose-stems. The fair rose-gatherer has rosy cheeks, and she and the setting make so bright a picture that no pharmacy will be complete without it. Copies can be obtained from Messrs. M. Beetham & Son, Cheltenham, the originators of Glycerine-and-Cucumber and Larola.

This handsome Showcard, in 14 colours (size 24 by 17) can be had by any chemist who will give it a good place in his pharmacy.

M., BEETHAM & SON, Cheltenham,

OVER 100 % PROFIT! ENSURED & PROTECTED (P.A.T.A.)

for sellers of

## Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.			Minimum wbolesale.	
1/-		1/-	•••	7/6 per do	7
1/6	• • •	1/6		9/- less 5	%
2/6		2/3	• • •	15/- discour	19
3/6		3/3		21/- !	

### SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz, do. 8 bottles gratis.
Do. 12 doz. do. 18 bottles gratis.
Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6,12/- and 27/- respectively.

Sole Proprietors-

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Emmott Street, Mile End, London, E.



WHOZEN WHOZEN WHOZEN WHOZEN WHOZEN WHOZEN

Men have now fully realised that

is the only preparation that effectually and efficiently

## **Masters** the **Hair**

without the aid of oil or grease.

We Advertise it-Do you Stock? THERE'S GOOD PROFIT FOR YOU.

### TRADE TERMS.

Retailed at 18 -11/6 per Dozen.

,, 30/-

ORDER THROUGH ANY WHOLESALER. ANZORA PERFUMERY CO.

32-34 Willesden Lane, LONDON, N.W.

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CHEMISTS WHO SELL INSECTICIDES ARE MOST FAVOURABLY PLACED FOR SELLING SPRAYERS.

EVER-READY PNEUMATIC SPRAYER No. 2649



PRICE 15/-EACH (SUBJECT) WHOZE WHOZE WHOZE WHOZE WHOZE

PLACED WITH A CUSTOMER IS A PERMANENT ADVERTISEMENT TO YOUR CREDIT. WRITE FOR SHOWCARD AND NEW LIST, WHICH INCLUDES

SCENT AND BOTTLE SPRAYS.



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### THE NIT KILLER CLEANS CHILDREN'S HEADS.



Extracts from some of the many

letters we have received:—
Cornwall: "RAILOX is the best I
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for the purpose."
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A new invention, used dry, cannot be seen on the hair, and is very effective. It is non-poisonous and will not injure the most tender scalp.

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3 doz. 4 -

Carr. Paid. Discount-2 gross, 21%. 13 to the doz, for cash with order. 5 gross, 5%.

10 gross, 72%

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Cleaner for Straw Hats

Gives complete satisfaction.

3 doz. with full-size Specimen Hat, 4/- 6 doz. 7/Carriage Paid. 13 to the doz. cash with order.

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It is really marvellous how this line sells " My customers speak highly of it." We could print pages of testimonials.

RAILOX and MILNER CLEANER may be assorted for discount.

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"The Standard of Purity."

# SOFT PARAFFIN

(Par. Molle) B.P.

White, Half-White & Coloured Oils

Light and Dark Yellow.
Light and Dark Green, Red, etc. etc.

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(B.P. and Technical Qualities)
BRITISH MADE

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Makers of Industrial and Mineralised Spirit

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White in colour & exceptionally free from unpleasantness.

# Spirits of Wine

All strengths. Absolute Alcohol. Duty paid.
Duty free for Export and Scientific purposes.

Try the "Extra Rectified" for your Perfumery.

# Absolute Alcohol

Home and Export.

# Chemists' Wines

Sherry, Port, Coca,
Malt and Meat, Orange.
Orange and Quinine,
Maintains its brilliancy permanently.
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SURGICAL GOODS OF ALL KINDS, ESPECIALLY BELTS, CHEST PROTECTORS, SUSPENSORY BANDAGES AND TRUSSES.

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SUNDRIES—CUT-GLASS BOTTLES, HOT WATER BOTTLES & COVERS, MANICURE OUTFITS, ODORATORS, SYRINGES IN ENTIRETY, BABY PACIFIERS, TEATS & FEEDING BOTTLES.



CORBYN'S ALL-BRITISH EAU DE COLOGNE.
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# WHITE AND PALE MINERALOIL

(Quite Odourless)

Suitable for TOILET PREPARATIONS, BRILLIANTINE, etc.

In 40 Gallon Barrels, or 1, 2 & 6 Gallon Tins.

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NO LOOSE HAIRS.

Please send for Catalogue—

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Wherein the subtle savour of the flower sublimely dwells."

# PETAL DUST

The sweetest and most lasting of all natural flower perfumes. A concentrated combination of the choicest flowers, aromatic herbs and roots, with the rare spices and gums of Arabia. "Petal Dust" has been the favourite perfume of all classes for over half a century and still commands the largest sale of any dried perfume in the world.

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Attractive Showcards. Counter Bills, etc., with customer's name and address on each packet, for orders of 5 gross and upwards.

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BOUGIES, OVULES, AMPOULES (ANY PRINCIPLE) ALWAYS IN STOCK.

Total Extracts of Internal Secretory Glands.

Catguts; All-Glass Syringes, etc.

ANY INQUIRY WILL BE CONSIDERED AS A FAVOUR.

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We are now supplying British-Made Grease Paints and other Theatrical Sundries which bear the trade mark—



THE "OGEE

REGD.





Insist on this Brand.

Refuse substitutes, as it is the only one to give complete satisfaction.

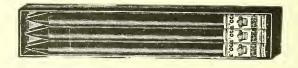
THE "OGEE" GREASE PAINTS ARE PACKED 6 STICKS IN A BOX. IN ALL SHADES, CORRESPONDING WITH THE CONTINENTAL MAKES.

PRICE 3/- PER DOZ.

The "OGEE" Long Lining Pencils.

In all shades. Packed 6 in a box.

PRICE 2/3 PER DOZ.





Short Lining Pencils.

Packed 12 sticks in a box.

In all shades.

PER 1/9 DOZ.

Nose Paste.
For making False Noses.
PER 2/3 DOZ.

THE "OGEE"
Cocoa Butter.

In round sticks.

Small ... **3/6** per doz.

Large ... **7/**- ,,

**GRESOPHAS** 

(Grease off face).

The perfect Grease Paint Remover.

Instantly removes
Theatrical Make-up, &c.,
WITHOUT the aid of
grease.

In Tin Boxes.
PER 4/- DOZ.



From all the leading Wholesale Houses, or

OSBORNE, GARRETT & CO. SOHO, LONDON, W.

# FOR ACTIVE SERVICE MEN

When dealing with Service Men, or with anyone who is interested in them, it will pay you to show a tube of EUTHYMOL TOOTH PASTE and explain the great utility for Camp use of

# THE CAPTIVE CAP TUBE



The Cap cannot fall into the mud or get lost; the size of the package diminishes as the contents are used; and the efficiency of the product is unequalled.

## NOW is the time to show it and push it

EUTHYMOL COLD CREAM
EUTHYMOL CREAM
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CAPSOLIN
are also supplied in Captive Cap Tubes

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T.J.14

# **200% PROFIT**

AT PROTECTED PRICES.



The handsome Cream and Bufi Covers attract ladies. The conlents ensure repeat orders. "VELVIX"

COMPLEXION LEAFLETS

COST YOU 18/- per gross.

Retail 4½d. each.

Other "VELVIX" TOILET LINES
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See Sangers' Price List,
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EMBOSSED FROSTED ALUMINIUM CASES.



LARGE, MEDIUM AND SMALL. PRICES ON APPLICATION.

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(THE GENUINE.)

For Shaving without Soap, Water, or Brush.



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A. S. LLOYD'S EUXESIS

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DIRECTIONS FOR USE.

DIRECTIONS FOR USE.

Unscrew the cap at the top, and gently press the broad end, always taking cree to do so from the bottom, by which the tube is rendered perfectly air-tight; when enough is obtained apply it to the beard either with a small soft brush or the finger, rubbing it a little; then apply the razor, and although but little of the Euxesis be seen on the face, the beard will be removed with the greatestease and comfort. It will be found very beneficial to wash before shaving. It is not intended to make a lather like soap. When the tube is not in collarsible Tubes, at 1s, 6d, and 3s. Sold in Collapsible Tubes, at 1s. 6d. and 3s. By the Original & Sole Manufacturer & Proprietor

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R. HOVENDEN & SONS having purchased, under an administration suit, the Business of the late A. S. LLOYD, with the Receipt, Trade-mark, and Goodwill of the celebrated Euxesis, the Trade are cautioned that the original and genuine Euxesis is now manufactured at our Factory ONLY, and may be obtained at either of our Warehouses at the

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Also Powder in Envelopes, at

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For Shaving without Soap, Water, or Brush.

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Labels on the genuine EUXESIS not only bear signature of A. S. Lloyd in Black Ink, but also

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ENCLOSURES.

OUR NO. Y I 72

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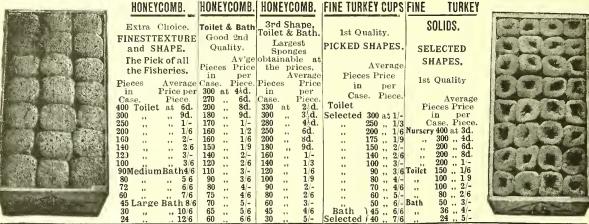
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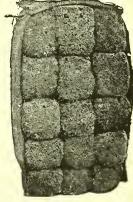
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SPHAGNUM. See Part III. of List.

SPONGES. SURGICAL. See Part III. of List.

SPITTOON, PHTHISICAL. See special leadet, sent on application.

SPRAY APPARATUS. All varieties. See Part III. of List.

STEARETTES (Reg. Trade Mark) For drugs intended for intestinal administration. See Part III. of List.

STERILISED DRESSINGS. See Part III. of List.

STERILISED DRESSINGS. SCEPART III, OF LIST.

"STERULES" (For Hypodermic and Eye use). ScePart II of List.

SULPHUR SOCKS. Per doz. pairs, 1/9.

SUPRARENAL PREPARATIONS. See Part I. of List,

SURGICAL SUNDRIES of every kind. See Part III. of List.

SYRINGES, SERUM. See Part III. of List.

TABELLÆ ANTIASTHMATIC. Per bot. 2/6; doz. 24/TABLETS, CHOCOLATE. See Part II of List.
TABLETS, COMPRESSED. See Part II of List.
TABLETS, COMPRESSED. See Part II of List.
TEST CASES. Compact and portable. See Part IV. of List.
THEOPHYLLINE SODIUM ACETATE. See Part I. of List.
THERMOMETERS, CLINICAL, &c. See Part III. of List.
THORIUM COMPOUNDS. See Part I of List.
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TRILACTINE (Reg. Trade Mark) Lactic Acid Bacilli, in the form of tablets, injection, milk stearettes. See Part II. of List.
TUBERCULIN, DILUTIONS. See Part II. of List.
TUBERCULIN. OPHTHALMIC TEST. See Part II. of List.
TYLCALSIN AND TYLLITHIN. The New Anti-rheumatics.
TYLMARIN (reg. Trade Mark). A new Coumaric Compound. See

A new Coumaric Compound. See Part II, of List.



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UNG. TINCI. See Part 1, of List.
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VACCINES, WIMPOLE. See Part II.b of List.

List.
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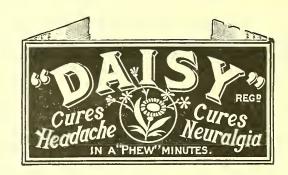
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March 13, 1915

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The sale of Dr. Carter's Saline or Liver Salt is reserved to Chemists only. The Salt is packed in handsome enamelled lever-lid tins. Large Showcards and Window Bills supplied, This Salt is a thoroughly reliable product, and most efficacious. Chemists have found this a Good Selling Line, and quickly repeats. ::

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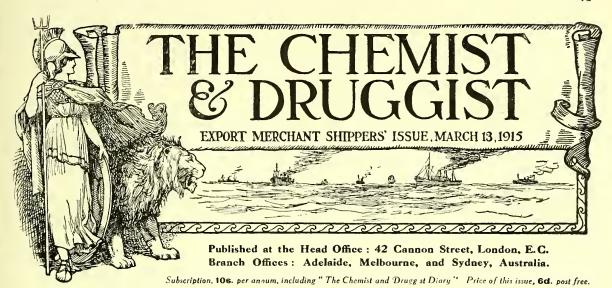
Report from the "CHEMIST & DRUGGIST." February 6, 1915.

PEPTONE FOR BACTERIOLOGICAL and other purposes has been exceedingly scarce since the war began. Fairchild Bros. & Foster, New York, as makers of it, took steps to send supplies here, and after some delay, owing to shipping difficulties, stocks have been received. We have had an opportunity of examining the product, and find it to be physically a better peptone than has hitherto been imported from Germany. It is a white powder, soluble in water, and only slightly bitter, showing that the peptonising-process has been well controlled. Peptone is largely employed in bacteriological work, and in some technical processes, as well as a nutrient. The Fairchild product is well suited for all these purposes, and pharmacists can get it in \$\frac{1}{2}\$ lb., \$\frac{1}{2}\$ lb. and 1 lb. be ttles, while larger users who want bulk quantities can obtain quotations on application to Fairchild Bros. & Foster, 64-65 Holborn Viaduct, London, E.C., or their agents, Burroughs Wellcome & Co.

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# Contents.

#### Vol. LXXXVI., No. 11 (Series No. 1833).

PAG1	PAGE
Bankruptev Reports 87	Information Department 88
Belgian Prescriptions 94	Insurance Act Dispensing 104
Books, New 97	Inventions which have be-
Business Changes 97	come Public Property 98
Canadian War-taxes 83	Irish News
Coming Events Col. Supp.	Legal Reports 84
Companies and Company	Marriage 87
News	Medical Gleanings Col. Supp.
Correspondence	Observations and Reflec-
Deaths 87	tions 89
Deed of Arrangement 87	Personalities
Dutch Pharmacopæia 94	Pharmaceutical Society of
Editorial Articles—	Great Britain—
Overseas Trade 90	Evening Meeting in
Good Faith or Bad 91	London 102
War Wants 91	Pharmacentical Society of
English News 74	Rhodesia
European War 81	Retrospect
France and Paris in War-	Scottish News
time—	South African News 83
f. British Red Cross Work 78	The Rotarians 80
II. Pharmacist Mayor of	Trade-marksCol. Supp.
Albert 79	Trade Notes 100
III. French Military Phar-	Trade Report Col. Supp & 107
macist 80	United States Trade 95
French News 77	Westminster Wisdom 106
Gazette 87	Wills 88
India and the East 77	Winter Session
the Edst	11 III CEL 1505SIUII 102

# "C. & D." Books.

"Minor Experiences" is the latest. It is a handy book of pocket size, extending to 116 pages, and containing official particulars of the Minor Pharmaceutical examination, with more than fifty experiences by candidates. It is a most useful aid to study, and indispensable to all who are preparing for the examination. Price 2s, 6d., or 2s, 8d. post free, from the Book Department, 42 Cannon Street, London, E.C., and from the wholesale houses mentioned in the C. & D. Supplement, March 6, p. xxxiii.

"Pharmaceutical Formulas."—The ninth edition of this book of useful recipes for the drug-trade is the most modern hook of the kind available to pharmacists, and extends to nearly 1,100 pages. It contains fourteen chapters, besides a comprehensive chapter on galenicals and medicinal preparations (a book in itself), and an Appendix containing important general and legal information bearing upon the preparation and sale of chemists' specialities. Price 10s., by post 10s. 6d., from our Book Department or from any of the wholesale houses. Obtainable also (duty paid) from McKesson & Robbins. New York; from the National Drug and Chemical Co, of Canada, Ltd., Montreal, etc.; and from our offices at Fink's Buildings, Melbourne.

# Summary.

Subscribers are advised to read this column first.

Export trade is steadily improving (p. 90).

Mr. Eustace Carey, F.I.C., is dead (p. 87).

"Malt butter" does not come under the Margarine Act (p. 84).

The history of senna is one of "Xrayser's" subjects this week (p. 89).

Doctors are officially warned about the illegal sale of poisons (p. 93).

Another budget of reports as to contracts arranged is printed on p. 74.

Useful notes for guidance in dispensing Belgian prescriptions are printed on pp. 93-94.

A War Wants Exchange is started in the C. & D. this week for the reasons stated on p. 91.

Mr. George T. Branch is the new President of the Pharmaceutical Society of Rhodesia (p. 84).

British overseas trade is, so far as values of imports are concerned, better to-day than it was this time last year.

This week's war news includes a number of drug-exportation decrees and many interesting items from Austria and Germany (pp. 81-82).

We give fuller particulars than have been published here hitherto of the Canadian war-taxes, including proprietary medicines (p. 83).

A pharmacist is suing the Ayrshire Insurance Committee for the price of foods and a phylacogen supplied on Insurance Act prescriptions (p. 85).

A former employé of Hooper, Struve & Co., Ltd., has failed to establish that his employers were responsible for him taking consumption (p. 85).

The duties of French military pharmacists in war-time are described in a section of our Paris correspondent's special contributions, beginning on p. 78.

Duty-free alcohol for medicinal purposes was brought to the notice of the Chancellor of the Exchequer this week, and he stated that the whole subject is being considered (p. 93 and p. 106).

In view of the renewed attempt to force Army compounders and apothecaries' assistants on the Chemists Register, we expound the origin of the legislation of which advantage is being taken (p. 91).

British Dycs, Ltd.. has been registered, and the particulars are on p. 86. Dr. Otto N. Witt says Britishers cannot compete successfully with German makers (p. 82). and Sir W. Ramsay and Sir H. E. Roscoe say practically the same for different reasons (p. 92).

# English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

#### Brevities.

Owing to the scarcity of labour in Leeds, shopkeepers' customers are asked to carry their own parcels of goods purchased.

Drug and spice grinders have advanced their charges by 7½ per cent. owing to the increased cost of labour, fuel, machinery, cartage, etc.

The off wine-licence attached to the Pharmacy, Lampeter, formerly in the name of Mrs. Davies, has been transferred to Mr. Evan James, chemist and druggist.

On March 5 a fire occurred in the basement of the premises of Boots Cash Chemists, Ltd., High Street, Canterbury. Fortunately the outbreak was subdued before serious damage was done.

Twenty-one samples of drugs, including two dispensed to prescription, were purchased under the Sale of Food and Drugs Acts in Peterborough during 1914. With the exception of one sample of olive oil and two samples of carbolic oil, all were satisfactory.

At the West Riding Court House on March 4, an application by Mr. Whitworth Rimmington, chemist and druggist, Shipley, for the removal of his wine-andspirit "off" licence from 36 West Gate to 31 Otley Road, was granted. An application by Mr. Herbert England, on behalf of Taylor's Drug Co., Ltd., for a wine "off" licence at 2 Briggate, Shipley, was refused.

The General Purposes Committee of Borough Council has considered a memorial from residents in Fingal Street, Greenwich, complaining of the nuisance caused by noise and vibration of machinery at the premises of the British Oxygen Co., Ltd., in that street, and has reported that they do not find any justification for the Council taking action in the matter.

Nine deaths from poisons have been reported since our last issue. A Colne man died through swallowing solution of ammonia in mistake for a bronchial mixture, and a woman at Gloucester died as a result of taking an overdose of bromide of potassium (thirty-one tablets) while intoxicated. The other poisons—used for suicidal purposes-were white arsenic, carbolic acid, lead and opium solution, mercuric chloride, nitric acid, phosphorus paste, and one unknown poison.

#### Earlier Closing.

The seventy-third annual meeting of the Early-closing Association was held at the Memorial Hall, Farringdon Street, London, E.C., on March 10, Mr. John Bodger presiding. The report of the Board of Management and statement of accounts were received, and the meeting confirmed the following resolution:

That in the interest of the health and strength of the nation, which are undermined by unduly prolonged labour, the Board of Management of the Early-closing Association are of opinion that it has now become the urgent duty of shopkeepers to curtail unnecessarily long hours of labour. They further resolve to employ every legitimate means to secure an immediate closing at an hour not later than eight o'clock on three nights, at nine on Fridays, and at ten on Saturdays, and, with a full realisation of their own responsibility at this crisis of the country's history, to endeavour to establish this improved standard of closing without delay by means of (a) local voluntary agreement, (b) closing-orders under the Shops Act, 1912, or failing either (c) by seeking further powers through new legislation by which the health of the rising generation may be safeguarded.

In the course of the discussion the movement was outlined of the campaign for securing eight-o'clock closing. The interesting point was brought out that the numerous assistants who have enlisted will need to be induced to return to shop-life on the conclusion of the war by the offer of reasonable shop-hours. It was also stated that the rising generation is refusing to embark on shop-life owing to the long hours. The present reduction of lighting in the streets offers a favourable opportunity of I tion Street, on Wednesday, March 3. Sir Thomas was

reforming the hours of closing. Among those present at the meeting was an old gentleman of ninety-four who was present at the third annual meeting held at Exeter Hall in 1845. The Board of Management dinner was held in the evening at the Trocadero Restaurant, London, W., over which Mr. John Hinds, M.P., pre-

#### Fairchild Scholarship and Prizes.

Application-forms for the examination to be held in June at the various centres are now ready, and Mr. A. E. Holden, Secretary to the Committee of Trustees, Albert Chambers, 64-65 Holborn Viaduct, London, E.C., will send a copy to any intending candidate who may apply to him. The latest date for receiving entries, which must be on the official form, is June 1.

#### Contracts for Drugs, etc.

The following contracts for drugs and allied products have been concluded:

Chester Town Council.—Cheers & Hopley, chemists and druggists, for drugs and druggists' sundries for the Isolation Hospital from March 26 to September 30, 1915.

tion Hospital from March 26 to September 30, 1915.

Deptford Borough Council has been recommended to accept the following tenders for annual supplies: Sanitas Co., Ltd., for sulphur candles and formaldehyde; Newton, Chambers & Co., Ltd., for liquid disinfectant; Dussek Bros & Co., Ltd. for disinfecting powder and fluid: Jeyes Sanitary Compounds Co., for soap.

Folkestone Town Council.—Sanitas Co., Ltd., for disin-

Gower Guardians.-Mr. H. R. Lowther, Mumbles, for

Marylebone Borough Council.—Burt, Boulton & Haywood, Ltd., for earbolic acid; Adcocks, Ltd., for carbolic-bowder: A. Boake, Roberts & Co., Ltd., for sulphume; Exprs. of Wm. Sharrat, for Karzene: Sanitas Co., Ltd., for formalin and permanganate-blocks; Newton, Chambers & Co., Ltd., for Led.

Co., Itd., for Izal.

Metropolitan Water Board.—Sanitas Co., Ltd., John Knight, Ltd., Middleton Bros., Ltd., W. V. Aldridge & Son, Ltd., for supplies of spaps (for periods of from two to twelve months).

Milton Regis (Kent) Urban Council.—Mr. H. T. Maundrell, chemist and druggist, for disinfectants.
Southwark Guardians.—The British Drug Houses, Ltd.,

for drugs.

Strood (Kent) Guardians.—Quibell Bros., Ltd., Newark, for disinfecting-fluid (5s. 4d. per dozen pint bottles). Cuxson, Gerrard & Co., Ltd., Oldbury, for dressings. J. Creasey & Sons, Rochester, for invalid bovril (25l. 4s.), lemco (37l. 6s. 8d.), primrose soap (1l. 5s. 6d.), toilet-soap, in tablets (59s. 6d. per cwt.), and earbosil (7s. 6d. per cwt.). Oxo. Ltd., London, for hospital oxo (22l. 8s. per cwt.). S. J. Hart & Son, Chatham, for carbolic soap (10½d. per 3-lb. bar) and Izal disinfecting-fluid (10s. per dozen halfpints). W. S. Rothband & Co., Manehester, for waterproof sheeting (Rothband's W.S.R.M. Reg. No. 315878), for six months (4s. 6d. per yard). for drugs.

wonths (48. 6d. per yard).
Wandsworth Guardians.—S. Maw, Son & Sons, contract

Wandsworth Guardians.—S. Maw, Son & Sons, contract for surgical instruments, medical and dispensary sundries, medicine-bottles, etc., extended for six months.

Woolwich Borough Council.—Jeyes' Sanitary Compounds Co., Ltd., for toilet-soap and disinfectant scrubbing-soap. Middleton Bros., for spirit of salk, primrose soap, carbolic-soaps, and toilet-soap. Pryke & Palmer, Ltd., for sanolio

The Sanitas Co., Ltd., has informed the Watford Urban The Sanitas Co., Ltd., has informed the Watford Urban District Council that they are at present unable to supply formalin tablets under their contract. They suggest the adoption of some other means of disinfecting. The matter has been referred to the Council's inspector of nuisances. The Marylebone Guardians have decided to pay to Corbyn, Staeey & Co., drug-contractors, 10t. 12s., a supplementary charge on account of the rise in price, due to the war of contract drugs.

the war, of contract drugs.

#### Birmingham.

Local wholesalers are experiencing considerable difficulty in regard to the transit of goods by rail, both inwards and outwards.

In connection with the local movement for earlier closing, a well-known pharmacist has advocated that the business hours of pharmacists should be from 9 A.M. to

Sir Thos, Barclay took the chair at the evening meeting of the twenty-seventh anniversary of the Birmingham Wesleyan Mission, held at the New Central Hall, Corporaheartily thanked for his twenty-five years' most valuable services in connection with this work.

In aid of the National Relief Fund, Mr. Wilfrid Hill, Ph.C., gave a popular lecture, illustrated by lanternslides, on "How British Pluck Won Through," in the Parish Hall, King's Heath, on March 8. A similar lecture, entitled "The Fight for the Straits of Dover," will be given by Mr. Hill on March 22.

Under the joint auspices of the Society of Chemical Industry and the University Chemical Society, Professor Frankland gave a delightful lecture, illustrated by experiments, on "German Chemical Industries" to a crowded audience at the Mason College, Edmund Street, on March 4. Several pharmacists, including Sir Thomas Barclay, were present.

Guardians' Doings.

Wandsworth Guardians have decided to allow T. Hodgkinson, Prestons & King 24l. 9s. 9d. additional on their last quarter's account of 269l. 12s. 7d. for drugs on account of the increase, owing to the war, in the prices of certain drugs.

At a recent meeting of Croydon Guardians the Infirmary Committee reported that they had considered the advisability of reverting to the use of beef-tea prepared in the infirmary kitchen in place of bovril or meatextract. The Committee recommended, on the ground of economy, and the Board agreed, that the use of bovril etc., be continued.

At a meeting of Lambeth Guardians on March 5, the Clerk stated that when the Board entered into contracts with a number of chemists to dispense medicines for the outdoor poor (C. & D., June 6, p. 36), the Local Government Board, in sanctioning the arrangements, agreed that the chemists should be paid at the London Insurance Committee Drug Tariff (1914) rates. The Guardians want the 1914.

The Contracts Committee of Southwark Guardians has reported to the Board that the contractors had informed them that cellulose wadding and wood-wool wadding are unobtainable, and they offered substitutes. The matter was left to the Infirmary Committee. In their estimates for the next six months, the Board has set aside 300%, per month to meet the extra charges on certain commodities. The Guardians have adopted a resolution asking the Local Government Board if it is possible to set up central stores for Poor-law authorities in London from which the Metropolitan Boards of Guardians could draw supplies for their various institutions.

Sheffield.

Mr. Percy Carr, chemist and druggist, Ecclesall Road, has been elected Secretary of the Wentworth Lodge of Freemasons.

Mr. Harold Goodwin Fletcher, chemist and druggist, Eckington and Killamarsh, near Sheffield, was elected a director of the Eckington and Mosborough Gas Co. at the recent annual meeting.

On account of the small demand for photographic materials at present, none of the chemists in the city who are also photographic dealers are exhibiting at the Photographic Exhibition this year.

The Hospital Committee of the local Guardians has decided, in view of the conditions brought about by the war, not to obtain tenders for the supply of drugs and sundries for the ensuing half-year, but to leave the purchase of these in the hands of the pharmacist as at present.

A football-match took place recently at the grounds of the 3rd Northern General Hospital, Sheffield, between members of the R.A.M.C. and Sheffield pharmacists. The home team won by five goals to three. Mr. W. B. Stuther captained the chemists' eleven, and Sergeant-Dispenser Massey, late of the R.A.M.C., acted as referee.

From Various Courts.

At Hampstead Police Court on March 9, Solomon Berg (22), described as a druggist's clerk, was remanded for inquiries on a charge of stealing 21. 10s. and a quantity of jewellery, together valued at 50%, the property of Mrs. Kate Wright, a housekeeper in Oakhill Park, Hampstead.

At the Old Bailey, London, on March 9, Arthur Alfred Henry Bennett (54), who was a witness in the recent "Consumption-cure" action in the High Court, pleaded guilty to a charge of perjury in connection with his evidence in that case, and was sentenced to six months' imprisonment in the second division.

James Edmonds, ginger-beer essence merchant, Steele Road, West Ham, was at the Thames Police Court, on March 10, fined 2007., with the alternative of six months' imprisonment, for harbouring and concealing 2 lb. of saccharin with intent to defraud His Majesty's Customs and Excise. He had been previously fined 100l. for a similar offence.

At Nottingham Police Court on March 2, Thomas Thacker (44) and John Winters (44), warehousemen, employed by Dennis & Roberts, druggists, Nottingham, were placed on probation for three years on a charge of stealing six casks, worth 5s each, from the premises of their employers. The case against two men who were charged with receiving the casks was dismissed.

Leonard C. Hamilton (18) was brought up on remand at the Mansion House Police Court on March 5 on a charge of stealing certain goods, value 3s., from his employers, Barclay & Sons, Ltd., 95 Farringdon Street, E.C. (C. d. D., March 6, p. 38). The Lord Mayor bound him over in 10l, under the Probation of Offenders Act to come up for conviction if called upon during the next six

At the West London Police Court on March 6, Raoul de Redon, an American subject, was charged with stealing on February 16 from the x-ray room at the West London Hospital one x-ray tube and two milliampere meters, value 12l. 10s. Arthur Pamington, electrical engineer, Clerkenwell, and Arthur Bamyard, sales-manager, Dalston, were charged with being concerned with De Redon in stealing and receiving these goods. A similar charge concerning the theft of an x-ray tube, value 41. 10s., from the x-ray room at the Royal Free Hospital, Gray's Inn Road, was preferred against all three accused, who were remanded on bail.

# Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Pharmaceutical Society of Ireland.

Applications for the under-mentioned examinations should be lodged with the Registrar (67 Lower Mount Street, Dublin by 11 A.M. (at latest) on the following dates: Thursday, March 25, for Preliminary examination; Tuesday, March 30, for Registered Druggist examination; Wednesday, March 31, for Pharmaceutical Licence examination; Tuesday, April 6, for Pharmaceutical Assistant examination.

Brevities.

W. J. Balmer, Ltd., chemists, 27 Belmont Road, Belfast, have acquired larger premises at Gelston's Corner,

The Local Government Board are circularising the Irish Boards of Guardians on the necessity of economising drugs as much as possible owing to the increase in price on account of the war.

Mr. Wallace moved at the last meeting of the Cork Board of Guardians that the resident doctors be relieved of the duty of compounding medicines, and after a discussion this was agreed to.

Mr. A. C. McBride, Ph.C., Armagh, was Treasurer of the local Committee of Welcome to the men of the 19th Battalion Royal Irish Fusiliers, who visited the city last week and were entertained by the townspeople.

Mr. J. A. M. MacCormac, R.D., managing partner of Elliott, Thompson & Blair, wholesale druggists, Corporation Street, Belfast, has been appointed a Vice-President of the Belfast Wholesale Merchants' and Manufacturers' Association.

Mr. C. Edward Hill, Ph.C., Belmont Lodge, Waterford, who for the last two years has been the representative in Ireland of Thos. Bigg, Ltd., sheep-dip manufacturers, has joined the Royal Army Medical Corps as a dispenser, and is at present stationed at Aldershot.

Mr. W. H. McBride, R.D., Woodstock Road, Belfast, has sent in a claim to the Tramways and Electricity Committee of Belfast Corporation for compensation for damages in connection with injury to his premises and business occasioned by the ignition of an electric junction-box opposite his premises. The matter has been referred to the Town Solicitor.

During the next two weeks Irish Boards of Guardians will deal with the contracts for medicines and medical and surgical appliances for the financial year ended March 31, 1916. Tenders have already been invited in most cases. The contractors have been badly hit in the current contracts by the rise in prices of drugs caused by the war, but it is hoped to make arrangements with the Boards to receive extra payments sanctioned by the Local Government Board.

# Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

#### Aberdeen and the North.

Claims against the estate of the late Mr. George Thomson, chemist and druggist, New Deer, have to be lodged with Whincup, Carle & Duthie, 217 Union Street, Aberdeen.

During a discussion on the revival of the kelp-industry at a recent meeting of the Zetland County Council, it was stated that thirty years ago kelpers got 47. 10s. per ton for their product. A suggestion that grants might be obtained from the Board of Agriculture for instructors and machinery was favourably received. The Finance Computtee of Inverness-shire County Council has also considered the matter, and has decided that instructions for the production of kelp, in English and in Gaelic, should be issued to the people of the Western Isles.

#### Dundee.

At the whist-drive recently held by the local Chemists' Association in Lamb's Hotel in aid of the Dundee Red Cross Fund and the Belgian Doctors' and Pharmacists' Fund 30l, was collected.

Taking advantage of the changed times we live in, with dark streets and half-obscured windows, many shop-keepers are now closing earlier on Saturday evenings. Even the public-houses close at 9 P.M., but the chemists still hang on till 10.

Dr. Robert Miller, who received 53*l*. for work done during the second quarter for panel doctors absent on military duty, has distributed the money among several relief funds, the Belgian doctors and pharmacists getting five guineas, although a local paper refers to "pharmists."

Some surprise is being expressed in Dundee that chemists have not been supplied with Insurance-account forms for February medicines. They are usually sent out in good time, so that the accounts may be rendered within seven days from the end of the month. Payments for January medicines are expected at the end of this week.

#### Edinburgh.

The Edinburgh Red Cross Fund amounts to over 20,950%.

Councillor Inman has been appointed a member of the Committee of Management of the Braid Estate Recreation Grounds.

St. Cuthbert's Co-operative Association, Edinburgh, has taken over the whole of the assets of the Bonnyrigg Co-operative Society, and will implement its liabilities and obligations.

Mr. Thomas Stephenson, Ph.C., is at present engaged in drilling the recruits of the partially completed

"Bantams' Battalion," The Royal Scots. Mr. Stephenson was formerly a captain in the Queen's Edinburgh Rifles.

Mr. W. Taylor Robson, chemist and druggist, Leith, addressed the Edinburgh Photographic Society on March 3 on "Colour-photography." Mr. Robson said that the principal cause of much of the failure experienced in regard to colour-photography is due to the lack of knowledge of the primary factor—light.

Several Belgians, now employed in the suburbs, have discovered that a local pharmacist is able to converse with them fairly well, thanks to his having learned French conversationally. One refugee was so gratified with the pharmacist's treatment of his mal à la gorge (sore throat) that he called subsequently, begging to be informed which shop in the neighbourhood sold the best boots. Sel Anglais (mag. sulph;) seems to be a favourite medicine with the visitors.

#### Fife.

Excessive prescribing and abuse of the local chemists' generosity are the reasons given by chemists in Lochgelly and district for ceasing to supply free medicines to dependants.

A peculiar form of ringworm has occurred in the county, and is said to be "caught" from mice. The spots have not the usual circular formation, but are eggshaped. Liq. iodi fort., '98, has proved a valuable and quick remedy.

Photographic chemists are now "focusing" attention on Easter requirements, and a brisker trade is in "view." Last season was somewhat disappointing towards the close, due to the fact that camera votaries near the coast were subject to arrest. This scare is now over, hence the hope of renewed "development."

David Gilmour & Son, chemists, Dunfermline are devoting their windows to garden and field seeds. The windows present a novel and old-world spectacle, which is enhanced by the quaint earthenware vessels used as receptacles for the seeds. It is an interesting circumstance that although the firm's principal pharmacy is in the midst of seedsmen the pharmacy retains the fine seed connection which has persisted through three generations.

#### Glasgow.

On Tuesday, March 2, the Glasgow Chemists' Golf Club entertained the retiring officials to supper. Mr. Mackay presided, and the guests were Messrs. Murchie, McEwan, Gallacher, and Galbraith. It was a grand affair.

The number of prescriptions dispensed for Belgian refugees in February was 277, and the cost 10l. 11s. 2d. Part of the increase is due to some chemists keeping prescriptions back till they considered them worth sending in. Many articles other than drugs and appliances are ordered—e.g., feeding-bottles, soothers, baby-foods, lavender-water, poudre de riz, and "two bottles of old Scotch whisky at 4s., one syphon soda, and  $\frac{1}{2}$  doz. bots. soda "! All these were signed by medical men.

A most enjoyable and successful social evening was held in the Rooms, 180 West Regent Street, on Tuesday, March 9, under the auspices of the Glasgow Pharmacy Athletic Club. There was a large attendance of ladies and gentlemen. Whist occupied the first part of the evening, the arrangements being by Mrs. Crombie (Convener), Mrs. Wood Wilson, and Mrs. Hislop, who provided tea. The prizewinners were Mrs. Grierson, Mr. A. McEwan, and Mr. Grierson (the booby prize). Mrs. Hislop, Miss Hislop, Mrs. Young, Mr. Gracie, and Mr. Campbell were among those who sang to Mr. Moffat's accompaniments.

A PRIVATE MEETING of the creditors of T. Jones, late The Drug-stores, Chapel Street, Abergele, was held at Chester last week, when a statement of affairs was submitted showing liabilities 343/4s. 9d. and assets 50l. Action was deferred. The following are creditors: W. Williams & Co. (64l.); Price's Candle Co., Ltd. (6l.); Spratts Patent, Ltd. (8l.); J. Crosfield & Sons, Ltd. (5l.); Evans Sons Lescher & Webb, Ltd. (5l.); J. & J. Colman (4l.).

# French News.

(From the "C. & D." Paris Correspondent.)

Cocoa Waste for Theobromine.—A circular of the French Customs Department notifies that a Ministerial decision has authorised the duty-free importation into France of cocoa waste ("pousses et poussières de cacao") imported for use in the manufacture of theobromine, Duty-free admission will only be accorded to such waste (excluding husks) as is freed from fat and denatured, either in the country from which imported or in France, by the addition of sulphate of iron and petroleum.

German-Named Medicaments.—Dr. Albert Robin, besides reminding the Paris Academy of Medicine of Dr. Bardet's introduction of formine, mentioned that in 1888, M. Bourgouin, then at the head of the Central Pharmacy of the Parisian Hospitals, stated that the Assistance Publique (Paris Poor-law Board) had resolved to act on his suggestion that analgesine should be the name for antipyrin. Had the doctors accepted his proposition many millions might have been saved to France. Dr. Robin cited other articles that are made in France, but as the German names are more commonly used much business is lost. Members of the Academy favoured Dr. Robin's protest.

STUDENTS IN WAR-TIME.—Happening to pass the Paris School of Pharmacy about lunch-time, I had an oppor-tunity of verifying the assertion made to me that only some twenty students are at present in regular attendance. What I had not been told was that of this number about half were ladies—the rest are no doubt either medically unfit or foreigners. One great hardship of the recent mobilisation (so far as the pharmacy students were concerned) was that it compelled many to miss the November examination, for which they had prepared. To meet their case as far as possible, a "special examination ' was held at the school last week. Although street-darkening is not carried out so thoroughly in Paris as in certain districts of England, owing to a recent order the shading of lights in pharmacies and other shopfronts is general. At the school a regulation has been posted up to the effect that all blinds are to be drawn and shutters closed in the lecture-halls and laboratories after dusk.

ACADEMY OF SCIENCES PRIZES.—M. Marcel Delepine, the youngest of the titulary professors of the Paris School of Pharmacy, has been awarded the 1914 Jecker Prize (400l.) by the Paris Academy of Sciences for "his general work in organic chemistry." M. Delepine is at present serving in a military pharmacy at Nantes—the port which serves a British commissariat base. The La Caze Chemistry Prize (also 400l.) was given to M. Debierne for his work on radio-activity; the arrears of the Mege Prize to M. Bruntz, Director of the Nancy School of Pharmacy. A grant of 80l, was made to M. Pierre Bréteau, Assistant-Professor of Pharmacy at the Val-de-Grâce Military Hospital and School of Sanitary Science, Paris, to allow him to continue his research work in reference to platinum. M. Javillier, to whom the Academy of Sciences award the 160l. Longchamp Prize for his study of Aspergillus niger, is Professor of Pharmacy and Materia Medica at the Tours Preparatory School of Medicine and Pharmacy.

"Missing."—In his recent address to the Paris Society of Pharmacy, an allusion was made by M. Guerbet to Prof. Grimbert's son having "disappeared." Calling at the Paris School of Pharmacy a few days ago, I inquired as to details. It seems that young M. Grimbert was hospital orderly (infirmier) in a French artillery regiment which was in Belgium—presumably not far from Charleroi—during the earlier period of the war. He has never been heard of since. It seems certain that some hospitals in Belgium were set on fire by the Germans (shell-fire or incendiarism?), and it is presumed that the young orderly perished in the flames with the helpless wounded. But as I cannot find there is any reason to

suppose this, except that no news of him has reached his family, may not one hope they are mistaken? There may be some prisoners' camps in Germany where the commandant is a brutal martinet and may stop letters home. At any rate, it is a sadly anxious time for the professor and his family.

Dr. Alfred S. Gube, of Aix-les-Bains and Algiers, has been doing splendid work for the wounded, Aix-les-Bains

being one of the places where they are sent, particularly for the convalescent stage. At the present time, when so many French medical practitioners are at the Front, it is peculiarly fortunate that Aix-les-Bains should have in the leading physician of the English Colony one who holds the M.D. degree of Paris University, as well as the English qualifications. I learn that he is one of the busiest of men at the present time, for, although there are few English visitors in Aixles-Bains (and it is for their comfort and good that Dr.



DR. A. S. GUBB.

Gubb practises there), he is to be seen here, there, and everywhere, having undertaken to look after the patients of his French confreres while they are on service. [We may recall that Dr. Gubb formerly practised in London, and was editor of the "Medical Press and Circular" until he left to practise in France about seven years ago, his Paris degree and his fluent French enabling him to do this legally and successfully. He is a voluminous writer, and his latest publication is a "Flora of Algiers."—Editor C. & D.]

# India and the East.

(From the "C. & D." Correspondents.)

PERSONAL.—Mr. Andrew Gibb, a member of the firm of Messrs. Bathgate & Co., chemists and druggists, Calcutta, has been elected Master of the Calcutta Trades Association. The firm of Bathgate & Co. was founded 103 years ago, and it is now fifty years since Mr. John Mackintosh, of that firm, held the position of Master.

Cocaine-supplies.—In view of the difficulty experienced by medical practitioners and other legitimate dealers in obtaining cocaine in India, the importation of which has now ceased owing to the war, it is understood that orders have been issued to supply drugs to medical practitioners and chemists from the fairly large stock at the disposal of Government as the result of seizures made by the Excise Department from illicit dealers. [We understand from a Calcutta correspondent that there is not, and never has been, any difficulty in obtaining supplies.—Editor.]

Cocaine Conference.—According to "The Lancet" (I. 1915, p. 510), a conference is in progress at Delhi on the question of cocaine-smuggling. The importance of the conference is that supplies of cocaine are cut off because of the European war, Germany having been the chief source of the drug. Formerly native dealers obtained supplies direct from German firms, but since the possession and sale of cocaine were made illegal greater risk is involved by direct dealings. The native merchants prefer to act through a smuggler, and hitherto employés of shipping companies have brought supplies into the country.

The Mysore Pharmaceuticals, Ltd., is the title of a new company at Bangalore, with an authorised capital of Rs. 500,000, divided into 5,000 shares of Rs. 100 each, as follows: 4,950 ordinary shares and 50 founders' shares (to be issued as fully paid up). The managing directors are Mr. A. Pell, F.C.S., pharmacist, and Mr. J. M. Moore. The object for which the company is formed is primarily the manufacture of pharmaceutical preparations from alcohol bought from the Mysore Government at special concessions and manufactured in bond. The Mysore Government has granted a site for the factory at a reasonable price, and this site will not be liable to any Government tax or assessment for a period of twenty years or any shorter time during which the site is used.

# France and Paris in War-time.

Some Impressions by Our Paris Correspondent,

# I.—British Red Cross Work.

At a moment when British Red Cross work in Paris is "marking time," and the chief energy of this great organisation in France is transferred to the central establishment at Boulogne, some account of services rendered during

the past months of war-stress

the past months of war-stress seemed an indispensable feature of any account of "Paris in War-time."

It was during the hour which ought to be sacred to Britons as "tea-time" that I met Mr. P. D. Collier, the well-known Paris representative of Parke Davis & Co., at tive of Parke, Davis & Co.. at the Hôtel Astoria, where Hôpital Auxiliaire No. 1 was installed. Six months of war has accustomed us to what would have seemed eurious and noteworthy last July. That this fashionable and luxuriously upholstered MR. P. D. COLLIER. Should have been full of gallant, but unshorn and bloodstained, Tommies from the trenches, that Mr. Collier and a well-known Anglo-Parisian



medical man should walk in as officers in complete khaki uniform (how we should have marvelled last February at British uniforms within a stone's throw of the Arc de Triomphe!), seemed now the most natural thing in the

Equally as if it had been a merc matter of course, Mr. Collier told me how he had now practically finished his work as head pharmacist of the British Red Cross in Paris,

work as head pharmacist of the Briesh Red Closs in Falls, and was going back to his ordinary avocations.

"The Japanese Ambulanee has arrived, and is going to take over the Hôtel Astoria now," he explained. "Our principal headquarters were long ago removed to Boulogne-sur-Mer. The removed to Boulogne-sur-Mer. British Forces being now engaged in Northern France, the transport of wounded to Paris would in many eases

wounded to Paris would in many eases mean an unnecessarily long railway journey, and consequently much needless suffering. Boulogne is both nearer the Front and nearer England."

"But this is not the only British Red Cross establishment in Paris?"

"It was not," said Mr. Collier (he spoke in the past tense). "We had a house in the Rue Troyen, another in the Rue de Chaillot, while our headquarters were at the Hotel d'Iéna, Avenue d'Iéna. So—except for the Hertford British Hospital, which is the only one of our establishments we are only one of our establishments we are now 'keeping on'—we eentred, so to speak, around the Arc de Triomphe

"And each establishment had a phar-

"Not at all. The only pharmacyexcept mine here—was at the Hertford Hospital, which is outside the gates of Paris. Here I was first on the fourth floor, and then, when more beds were needed, on the sixth. My goods—for I superintended all buying—were stored at the Hôtel d'Iéna. I would purchase the more representation of the statement of the statement of the superintended and statement of the statemen then in proper quantities—say, 6 cwt. of lint or 8 cwt. of eotton-wool—at a time, thousands of yards of gauze-strappings, hundredweights of disinfectants and alast outstakes. fectants, and, alas! crutches by the hundred pairs, let alone enormous stocks of drugs. I sent the whole down

there, and then gave dockets or delivery orders for what was wanted at the Hôtel Astoria here, or possibly for other places. I should add that the Officers' Convalescent Home on the Riviera—you will know it as the Hôtel Cimiez, at Nice—also draws its pharmacy from

the Hôtel d'Iéna stores. We have a little place at the Gare du Nord, where any emergency cases arriving by rail ean be promptly, if temporarily, dealt with. Dr. Mamlock" he indicated the gentleman in khaki in the drawing-roomis our emergency surgeon. Dr. Charles Jarvis is our principal medical man at this hotel, and Dr. Leonard Robinson

cipal medical man at this hotel, and Dr. Leonard Robinson the ehief medical officer of the British Red Cross in Paris."

"How many beds have you here?"

"We have had as many as 400. One night—I forget the date, but I shall long remember the sight—we had 230 cases or more arrive at once, It must have been 2 AM, about mid-October, at the time they were fighting near Ypres. There they were, all laid out in the corridor, helpless, exhausted with the long railway journey, still covered with the grime and sweat of the long battle. I assisted Dr. Jarvis to go through them all, sorting them out for the various wards, and, needless to say, having them thoroughly various wards, and, needless to say, having them thoroughly cleaned as soon as circumstances permitted. Few bulletwounds; mostly shrapnel.

"You have never had such an influx since?"
"Never; but we recently had 200 cases, mostly frost-bite—only 7 per cent. wounded. Yes, we have a medical ward, but we have had very few real 'sick.' Rheumatism and so on, of course, since the trench-war began; and, perturally score congressions and and so on, of course, since the treneh-war began; and, naturally, some gangrene and tetanus. Some wonderful eures of tetanus I have seen. I especially remember an artilleryman, a fine young chap of thirty or so. He had stuck by his battery till it was a wreek—the last man at the last gun—then fell with his arm blown off. I never thought he would pull through, tetanus having set in. But he did, thanks to oft-repeated doses of anti-tetanus serum (P., D. & Co.) and enemas of chloretone in olive oil, and is now flourishing on hematic syrup of hypophosphites."

"You receive British soldiers only?" "You receive British soldiers only?"

"We were principally here for them, of course, but we have had many others. Quite recently we had thirty Italians -Garibaldians. Another time we went to a station north of Aubervilliers to bring in a trainload of French wounded: we found them all laid out on the platform on stretchers.



MEDICAL AND SURGICAL STAFF.

We had some Moroecans, too-half savages. Would snap like dogs if one happened to hurt them when dressing their

"And your staff?"

"My own men were mostly English. My pharmacy staff

consisted of one dispenser (Mr. C. Hoys, of Swan's Pharmacy) and one other assistant (Mr. R. M. Hardie, of Scott's, who was buyer for me). We had plenty of hard work—I have been extremely busy for months, early and late. Everything was done as in a first-class paying hospital, and the amount of urine-analysis was considerable, not to say interminable. Our doctors (two physicians and seven surgeons,



SOUTH WING OF THE GROUND-FLOOR WARD.

with three or four dressers from St. Thomas's Hospital)with three or four dressers from St. Thomas's Hospital)—yes, all English, except M. de Martel, the famous French surgeon, who speaks English fluently. A splendid fellow! I saw him decorated with the Legion of Honour in that room there. What did he do? Well, he was with a field ambulance at the Front when the French line was driven back. The retreating troops fell back as far as his ambulance. Seeing this, Dr. de Martel tore the Red Cross from his sleeve, shouted to the soldiers to rally, snatched a rifle from one of them, led them against the enemy, and saved the situation, but was wounded."

And the nurses?

"The regular staff was British, but we had some French 'auxiliaries,' and very valuable they proved. Refined ladies (most of them bore titles), they did the least attractive work of nursing with a devotion and zeal beyond all

"And the staff has gone to Boulogne mostly?"

"And the staft has gone to Boulogne mostly:
"The paid staff only. We volunteers are retiring 'until called for,' and staying in Paris. We are, as I said, merely keeping open forty beds at the Hertford Hospital. For my own part, I shall look back on my Red Cross work with some very nice fellows. sincere satisfaction. I have met with some very nice fellows in my eareer, but never was I lucky enough to find such a patriotio and unselfish set in every way as my temporary comrades at the Hôtel Astoria. It was never too late at night, never too early in the morning, for them to go at once to the bedside of a patient when necessary."

# II.—The Pharmacist-Mayor of Albert.

News trickles through slowly in war-time, and this tale is as old as the German advance on Paris—those days of late August and early September, when things looked so

On August 27, M. Leturcq, one of the four pharmacists then keeping open shop in the manufacturing town of Albert Gomme), half-way between Amiens and Arras, heard that the Germans were close at hand. While everyone who could leave was taking the train for Amiens, he, as Mayor, drew up a proclamation inviting the inhabitants to keep calm and not provoke reprisals. He had this printed and posted in the streets with the least possible delay. Von Kluck, advancing by Cambrai and Peronne, was pushing back the Grench forces. Infantry and artillery came pour back the French forces. Infantry and artillery came pour-ing through the town; the engineers at the station tore up the rails towards Amicns, and retired in their turn. Albert was cut off from France.

Albert was cut off from France.
Anbulance-waggons with 280 French wounded arrived in the rear of the French troops. There was not a doctor left in Albert; the four had all gone. All the pharmacies were closed except that of M. Leturcq. Two army surgeons, luckily, arrived in the evening of the 28th. Madame Leturcq, aided by the wife of a mobilised doctor, the sisters of mercy from the hospital, and a few lady volunteers, prepared dressings, pillaging the pharmacy right and left in their charitable exertions, while the Mayor

organised three hospitals in large local buildings. The men were cared for, fed, and put to bed. Next morning a lad on a bicycle brought news that the Germans were but seven miles away, and every man fit to be moved was placed in a vehicle and sent towards Amiens. The last ambulance-van was not out of sight when a troop of light cavalry arrived. The German leader rode straight up to the Town Hall—a fine, six-foot man, red-faced and deep-

"Tho Mayor?" he demanded briefly. "Run off, like the rest, I suppose?"
"No fear," said a lad outside. "You'll find him at home. We'll take you where he is."

He called a policeman, who conducted the officer to the pharmacy and introduced him to M. Leturcq. "Let us go to the Town Hall," said he. The troopers closed round the pair as they walked out together, and the crowd murmured that the pharmacist was already condemned to be shot. M. Leturcq smilingly assured them that his hour was not yet come. At the Hôtel de Ville the lieutenant told the Mayor he would be held personally responsible for any unfriendly acts of the population, and advised him to draw up a poster.
"I have them already printed and posted," he replied,

showing the document.

The officer read it. "You call us 'invaders,'" ho remarked.

marked.

"What clse can I call you?" M. Leturcq blandly inquired. He "went bail" for the peaceful attitude of his fellow-townsmen, and finally returned to the pharmacy. Madame Leturcq was uneasy, seeing him still surrounded by troopers, but her husband explained that, all the hotels being shut, the officer had asked "where he could lunch." Ho was given eggs and cheese (the promised bill of fare), there better for the promise of the promi three bottles of wine eking out this otherwise frugal repast.

During the meal the troopers outside the pharmacy fired three revolver-shots on three apparently hostile members of the crowd, but no one was hurt. Arrangements were made to lodge the expected officers, and while promenading with the lieutenant M. Leturcq's personal intervention saved tho life of a half-crazy local lad, who was already knocked down by the troopers. More soldiers arrived, and

one officer galloped up to the pharmacy.

"General Riemann," said he, "is at the gates of the town. He will occupy it, and awaits his quarters as soon as they are ready. But he is hungry, and asks for breadand-butter." Madame Leturcq sent the desired refreshment.

The general and all the officers bearded at the pharmacy.

The general and all the officers boarded at the pharmacy during their stay; but this was short: most left next day. A Captain Zirgow was placed in charge of the town. An attempt was made to levy a "contribution of war." The Mayor pointed out that the richer folk were gone, the workmen idle and penniless. "But the banks?" said

workmen tale and penniess. "But the banks?" said some Uhlan officers.
"Nothing left."
"We'll see all about that," said one, drawing his revolver. The only money found was in the municipal offices, some 120.
"This belongs to the Poor-law Administration," explained M. Leturcq. "It is all I have to feed my paupers.



PLACE DE L'HÔTEL DE VILLE, ALBERT. How the Germans Left it.

If you take it, they starve." The officer pushed it back "Keep it," he said. "I leave it to you." For eighteen days the occupation continued. A workman

found to possess a revolver, and sentenced to be shot, was saved by M. Leturcq, who offered to be personally responsible for the man. Then the French advanced, and the Germans evacuated the town—since bombarded, as everyone is aware.

# III.—The French Military Pharmacist.

is desirous of getting particulars of how young pharmacists are treated in the R.A.M.C., and it may be useful to tell something about the duties of their French confreres, which I cull from an interesting lecture delivered by M. Guillot, principal pharmacist of the Desgenettes Military Hospital at Lyons. The twenty-fifth clause of the French Field Regulations for the Sanitary Service (Decree of October 31, 1892) states that in time of war French army pharmacists continue their usual peace-time duties. They dispense prescriptions for the military hospitals, test medicines as received, and, when necessary, analyse food and beverages. They keep the "Monthly Account of Medicines Received and Handed Out," and regularly transmit the same to the Bookkeeping Office. They profit, in European warfare, by the terms of the Geneva Convention, and wear the Red Cross armlet.

At the Front they serve in the field hospitals—i.e., those designed for such wounded men as cannot be carried further I OBSERVE that the Pharmaceutical Council of Great Britain

designed for such wounded men as cannot be carried further designed for such wounded men as cannot be carried further to the rear. Most French army corps are provided with eight such hospitals, but some have twelve. The supplies kept at these are calculated to last 100 patients for three months. Each hospital has five medicine-chests, and also surgical dressings, tinned food, linen, and bedding—about three tons of stores altogether. One or two pharmacists are attached to each of these hospitals. They analyse drinking-water, food, even the soil if necessary, and do the usual base-hospital work. Base hospitals are usually placed at a railhead or by a river or canal—i.e., in spots to which the wounded can be conveniently removed from the



WAGGON PREPARED FOR TRANSPORTING THE WOUNDED.

Front. The two base hospitals of the 14th Army Corps have each two pharmacists, one belonging to the "active" army, the other to the reserve. Each base hospital is prohave each two pharmacts, one back has hospital is provided with (1) two sets of field-hospital stores as already specified; (2) three sets of hospital-train plant; (3) two four-chest medical reserves; (4) four reserves of surgical dressings; and (5) a portable disinfecting-apparatus for contagious-hospital use.

contagious-hospital use.

Hospital-trains are (1) "permanent" or (2) "temporary."

The "permanent" train is a veritable hospital on wheels.

The 14th Army Corps possesses four such trains. Each contains twenty-three coaches, all of which have communicontains twenty-three coacnes, an of which have communicating corridors, except, of course, the trucks for coal and for food stores. Sixteen coaches are used as wards for the wounded: one is fitted up as a pharmacy, surgery, and linen-closet, one is a kitchen, the others are offices, etc. The pharmacy is fitted with various chests of drawers, in which bottles are now be conveniently transfer to the conveniently transfer to the convenient transfer to the convenient transfer to the convenient transfer transfer to the convenient transfer transfer to the convenient transfer tr which bottles, etc., can be conveniently stored, while a table (also provided with drawers) serves as laboratory and office by turn. The pharmacist has his iron bedstead in the sanitary officers' quarters coach, where a cupboard for clothes, a lavatory, etc., are reserved for the exclusive use of the staff.

The temporary train consists of ordinary passengercoaches. It carries about 400 wounded and one assistant pharmacist-major, who shares a second-class compartment with the doctor and the administrative officer. The trains

are disinfected after each journey.

Store-stations are placed on the borders of the "interior zone." \* The stores there collected vary slightly. Premises are always provided at such establishments, however, to stock any gifts offered to the army by ambulance societies or captured from the enemy. All these are examined by the first-class pharmacist-major of the active army who is attrached to each such station. attached to each such station.

Finally, in war-time the French army pharmacist may be called upon to serve in (1) military hospitals, (2) civil hospitals commandeered for the army, and (3) temporary hospitals. Stores for such temporary hospitals (for 50, 100, nospitals. Stores for such temporary hospitals (for 60, 100, or 250 men) are always kept ready at the Sanitary Service storehouses. The pharmacist-major there is provided with an inventory note-book, in which he regularly notes down what is worn out or spoilt and requires replacing. The analysis of drinking-water forms one of the most important parts of the pharmacist's field service.

In a great war, and especially during a gigantic struggle such as has been going on for the last seven months, the official and regulation sanitary services have necessarily to be expanded by the use of such material as is available. to be expanded by the use of such material as is available. Thus we have now in France three types of trains—the "permanent," as above described; the "semi-permanent," the type termed "temporary" by M. Guillot; and the "improvised" trains of goods-vans. These latter are not necessarily absolutely comfortless, but evidently the ideal "sanitary train" is the corridor train. Dr. Cazin states that such corridor trains "are exclusively adopted by our British Allies," so that the "conditions under which their wounded travel are exceptionally favourable." The train question is, of course, a burning one. When President Poincaré travelled from Bordeaux to the Front, he made a point of visiting a hospital-train which had just arrived a point of visiting a hospital-train which had just arrived at Pantin (outside Paris) from Berry-au-Bac. A new type of "permanent mixed hospital-train" for 600 men, arranged so that each compartment could receive three seated patients and two prostrate cases, was recently in-spected at Bordeaux by the French Minister of War. In this an ordinary dining-car had been ingeniously transformed to serve as a pharmacy, a kitchen (tisaneric) for preparing herb-teas, and a room for dressing wounds.

"Zones" are laid down by the French military authorities in war-time. At the present moment a "zone of hostilities" exists in France, into which no civilian may penetrate without a special pass from the authorities. This represents, roughly, a limit of twenty miles from the firingline.

# The Rotarians.

Apparently the Rotary Club idea appeals to those connected with the drug-trade. Already one prominent Scots pharmacist not only is Hon. Secretary of his section, but pharmacist not only is Hon. Secretary of his section, but is also Hon. Sccretary of the British Association of Rotary Clubs and the editor and publisher of "The Rotary Wheel." Another enthusiast is Mr. H. N. Bolton, of T. F. Bristow & Co., Ltd., soap-makers and perfumers, Clerkenwell, E.C., who is President of the London Rotary Club Yet another enthusiast, well known to readers of The Chemist and Druggist, is Mr. A. Barton Kent, F.R.G.S., of G. B. Kent & Sons, Ltd., Farringdon Street, E.C. At a dinner of this Club, held in the Waldorf Hotel, Aldwych, London, W.C., on March 9, with Mr. Bolton in the chair, Mr. Barton Kent gave his lecture "Round the World by the Red Route." About fifty or sixty Rotarians were present, and Mr. Bolton made an ideal chairman. After some routine business had been transacted, new members were introduced, among them being Mr. C. E. Town, Assistant-Secretary of the London Chamber of Commerce. The lecture by Mr. Barton Kent, who, as everyone knows, is an ardent Imperialist, was listened to with profound attention and appreciation by his fellow-Rotarians found attention and appreciation by his fellow-Rotarians and their guests. Not only was Mr. Barton Kent entertaining and instructive, but he rose at times to a high point of patriotic elequence, and the numerous lantern-slides, from actual photographs taken by himself, gave a graphic interest to the proceedings.

With such fare provided for members, there appears to be a future for the Rotary Club idea in London, especially seeing that the Organising Secretary (Mr. Stuart Morrow) combines the persuasive cloquence of an Irish ancestry with the "hustle" assimilated during a twenty-years' residence assimilated during a twenty-years' residence

in California.

SODIUM SALICYLATE is being much employed by the Medical Department of the British Army as an anti-diarrhæic. When men are going within the hearing of big guns for the first time they get each a 15-grain dose, which prevents the otherwise involuntary motion.

# European War.

# Pharmaceutical Roll of Honour.

Non sibi sed patria. Cicero.

TWENTY-FIFTH LIST.

HOLDSWORTH, Second-Lieutenant Gordon (son of Mr. M. E. Holdsworth, of M. E. Holdsworth, Ltd., drysalters, Rook Street, Manchester), East Riding Royal Garrison Artillery.

WARRINGTON, V. (lately with Heynes, Mathew & Co., Ltd., Cape Town), R.A.M.C.

The following South African pharmacists and assistants are serving with the Forces in South Africa or in France: Staff-Sergeant A. C. Austin (with Mr. G. R. Cleghorn), R.A.M.C. H. W. Stone and G. Wilson (with Petersens, Ltd.), Union

Defence Force.

Sergeant Vos, Corporals Eckermann and Louw, and Gunner Warman, Union Defence Force; also A. A. Shave, serving in France (all with Lennons, Ltd.)

Sergeant Moyle and J. Newlan (with Heynes, Mathew, td.), D.E.O.V.R.

Ltd.), D.E.O.V.R. A. M. Wortreich (with Cameron & Hamilton, Observatory).

C. Lowinger (with Hopkins & Co., Salt River), Union

Defence Forc

W. Byars, R.N.R., and J. Turnbull, R.A.M.C.

The following arc on active service with the Rhodesian Contingents:

E. T. Jones, Bulawayo, and J. H. Nimmo, Salisbury (with

Lennons, Ltd.).
J. C. More (with Smart & Copley, Bulawayo).

Private Pomfret, Coldstream Guards, who, before enlisting, was employed by Boots, Cash Chemists, Ltd., at Accrington, has died in France. Private Pomfret was the youngest soldier from Aeerington, being only sixteen years

Notices as to Exports of Chemicals, etc.

NORWAY.-The Board of Trade are in receipt of telegraphic information to the effect that the exportation from Norway of chlorate of potash and other potassium salts has been prohibited.

GERMANY.—The exportation of magnesite (natural magnesium carbonate), burnt magnesite and allied products, catgut, natural barium sulphate (also powdered or ground), and kieselguhr is prohibited by a decree of February 22. On February 24 the following were added to the list of prohibited exports: Caseara sagrada and its preparations, senna fruit and leaves, hexamethylenetetramine, hydrastis canadensis and its preparations, erude and purified storax, and parts of clinical thermometers.

United Kingdom.—In connection with the prohibition to all destinations other than British Possessions and Protectorates of the export of "mineral lubricating-oil (including mineral lubricating-grease and lubricating-oil composed of mineral and other oils)," intending exporters are advised to be careful to include the word "mineral" in the description of the goods which is required to be careful to include the word "mineral" in the description of the goods which is required to be careful to include the word "mineral" in the description of the goods which is required to be careful to include the word "mineral" in the description of the goods which is required to be careful to include the word "mineral" in the description of the goods which is required to be careful to include the word "mineral" in the description of the goods which is required to be careful to include the word "mineral" in the description of the goods which is the good scription of the goods which is required to be set out both in their applications for licenees and also in the bills of lading in cases where licences are granted, and not to content themselves by using the simple descriptions "lubricating-oil," "lubricating-grease," etc.

HOLLAND.—The exportation of rapeseed oil and potato flour from Holland is prohibited. Since the beginning of the war the exportation of medicines in general has been prohibited. In answer to several questions about this matter, the Government has decided that the following submatter, the Government has decided that the following substances do not fall under the category of medicines: Ammonia, alum, acetic acid, barium chloride, bleaching powder, blood-albumen, borax, eccoa-butter, Chinese wood oil, magnesium chloride, cream of tartar, liquorice-juice, sodium bicarbonate, acorn coffee, dextrinated meal for children, potassium prussiate, gelatin, Glauber's salt, Haarlem oil, iodic acid, calamus-root, camphor, camphoric acid, caraway oil, ecconut oil, aqua regia, creosote, creol, cod-liver oil, linden-blossom, lead acetate, magnesia, magnesite, magnesium chloride, milk-sugar, lactic acid, musk, clove oil, naphthalene, nutmeg oil, paraffin, peppermint and peppermint oil, arsenic, saccharin, ammonium chloride, clove oil, naphthalene, nutmeg oil, paraffin, peppermint and peppermint oil, arsenic, saceharin, animonium chloride, Seignette salt, spikenard, star anise, tea-seed oil, thymol. vanillin, sodium and potassium silicate, tartarie acid, and hydrochloric acid. A number of quack medicines are also mentioned in this list of articles which are not officially acknowledged to be medicines.—The "Nederlandsche Staatscourant" for February 10 centains a Dutch Royal

Decree, dated January 29, which authorises a drawback in respect of the Excise-duty paid on sugar contained in medicines exported abroad, provided that the Minister of Finance is satisfied that in the preparation of such medicines no medicines have been employed which, having a sugar-content of 10 per cent. or less, have been imported into the Netherlands from abroad free of duty.

Belgian Doetors' and Pharmaeists' Relief Fund.

Netherlands from abroad free of duty.

Belgian Doetors' and Pharmaeists' Relief Fund.

The following are the subscriptions received from pharmaeists up to March 9: Miss I. Blyth, Sunderland, 10s.;
S. Fowle, London Bridge, E.C., 2l. 2s.; H. Jenkins, Braintree, 10s. 6d.; Halifax Chemists' Association, per R. V. Sutcliffe, 2l. 2s.; T. Jackson, Marsden, 1l. 1s.; G. E. Bridge & Co., Ltd., Bournemouth, 1l. 1s.; R. J. Perkin, Croydon (seeond contribution), 10s.; M. E. Morris, Portmadoe, 10s.; Wilcox, Jozeau & Co., 10l.: J. P. Ellerington (fifth donation), 5l. From the Manchester district, per Mr. Thomas Miller (seeond list): H. T. Lockwood, 2l. 2s.; J. H. Nidd, 1l. 1ls. 6d.; J. Beard, Ltd., 1l. 1s.; W. Colman, 1l. 1s.; E. G. C. (Rochdale), 1l. 1s.; J. W. Dorran, 1l. 1s.; J. Y. Drinkwater, 1l. 1s.; B. H. Haworth, 1l. 1s.; H. Shelmerdine, 1l. 1s.; J. A. Collins, 1l.; J. D. Mackintosh, Ltd., 1l.; W. S. White, 1l.; R. A. Attenborough, 10s. 6d.; J. L. Balf, 10s. 6d.; E. G. Bryant, 10s. 6d.; R. M. G. Dobson, 10s. 6d.; T. E. Eastwood, 10s. 6d.; R. G. Edwards, 10s. 6d.; J. F. Fieldsend, 10s. 6d.; R. G. Edwards, 10s. 6d.; J. F. Fieldsend, 10s. 6d.; M. Gilman, 10s. 6d.; C. H. Griffiths, 10s. 6d.; H. Stacey Hall, 10s. 6d.; J. W. Horn, 10s. 6d.; B. G. Hough, 10s. 6d.; J. Watson, 10s. 6d.; T. Callaghan, 10s.; J. Wimbleby, 7s. 6d.; Newman Hulme, 5s.; G. F. A., 2s. 6d.; W. G. Bosticey, 2s. 6d.; Miss D. Eastwood, 2s. 6d.; L. Lawrenee, 2s. 6d.; J. J. West, 2s. 6d.; R. R. Bagshaw, 1l. 1s.; D. Diekson, 1l. 1s.; J. R. Lateward, 1l. 1s.; T. O. Owens, 1l. 1s.; H. M. Sandford, 1l. 1s.; F. J. Pugh, 1l.; J. S. Breese, 10s. 6d.; G. H. Cooper, 10s.; employés of J. Beard, Ltd., 5s.; J. Baker, 2s. 6d.; H. Walkden, 2s. 6d. The Scottish Committee have also forwarded the sum of 154l. Subscriptions are received by Mr. W. J. U. Woolcock, 17 Bloomsbury Square, London, W.C.

Miseellaneous.

British Trade with Nigeria.—Mr. C. A. Birtwistle, Comercial Intelligence Officer in Nigeria, the correspondent of the Board of Trade for that Colony, is now on a visit to England, and will attend at the office, 73 Basinghall Street, London, E.C., on March 17, 18, and 19, between 10 a.m. and 5 p.m.

The Société Anonyme Les Etablissements Poulenc Frères are applying for the avoidance or suspension of Patent 17619 of 1907, granted to Imray (Farbwerke vormals Meister, Lucius & Brüning), entitled "Reduction-products of p-amino-phenylarsenic acid and its derivatives." The hearing will be at the Patent Office on March 24.

NECESSITY FOR SCIENTIFIC RESEARCH.—Dr. J. Coote Herbert, medical officer of health at Blackburn, speaking at Black-burn on March 5, said that if we are to extend trade with any hope of permanent success it is most important that more attention should be paid to the question of scientific research, particularly as regards the manufacture synthetic drugs.

SHELL-FUMES AND PNEUMONIA.—Sir William Ramsay, K.C.B., writing to "The Times" of March 6, states that he has been informed by a naval surgeon that men exposed to the fumes of a bursting shell develop acute pneumonia. which, as a rule, proves fatal. Sir William concludes that this is doubtless due to the nitric oxide produced by the surgeous the following protective measures. He suggests the following protective measures. explosion. based on the fact that the gas is rendered harmless by passing it through a wet cloth: For protection in the ease of a sudden exposure to the gas, wet a handkerchief or any bit of cloth, wring it out well, stuff it in the mouth, and breathe in through it; breathe out through the nose. If time permits, place a picee of flannel or woollen material, soaked and wrung out, over the mouth, securing it with a handkerchief round the mouth and neck. The latter method applies specially to men going to help the wounded in a part of a trench where an explosion has occurred. The Admiralty, it is stated, supply a respirator-pad as a means of protection, but it cannot readily be wetted, and is usaloss when dry is useless when dry.

EGYPTIAN HENBANE.—The Imperial Institute has issued a erreular directing attention to the fact that the alkaloids attopine and hyoseyamine have in recent years been obtained to some extent from Germany. It is pointed out that the most valuable source of these drugs is Hyoscyamus muticus, a species growing freely in the Egyptian desert. The Institute, in 1903, published the results of an investigation of the properties of this plant, and as a result several British firms started importing it and manufac-turing these alkaloids, but increasing quantities have recently been manufactured in Germany. The Institute has

again brought the matter before British manufacturers, several of whom have been placed in touch with Egyptian exporters. At present, owing to Germany having at the beginning of the war imported large quantities of the plant, there is a difficulty in obtaining large supplies from Egypt. The Institute has, however, taken all possible steps to encourage further production, and the cultivation of the plant on waste lands in Egypt is now being arranged for, so that in the future ample supplies will be available.

#### News from Austria and Germany.

JEAN PAULUS, one of the directors of Paulus & Thewalt, pharmaceutical-manufacturers, Berlin, died on February 16, aged sixty.

KARL BRADY, of Vienna, the owner of the pharmacy "Zum Konig von Ungarn," and manufacturer of the "Mariazeller Magentropten," is dead.

Losses of Army Medical Officers.—The "Pharmaceutische Zeitung" (February 27) puts the total losses of German physicians in the field at 507 (C. d. D., February 27,

THE USE OF ALL SORTS OF MEAL for the manufacture of soap has now been prohibited by the German Diet. Hithertoonly the use of potato flour for this purpose was prohibited.

The Austrian Mineral-water Companies are to supply the Austrian Red Cross Society with mineral waters gratuitously upon condition that the empty bottles are returned.

WAR HOSPITAL-INSPECTORS have been appointed in the German army, whose duty is to inspect the hospitals and to introduce improvements in the arrangement of them if they judge it necessary.

YOGHURT is recommended by Fr. G. Sauer, in an article in the "Pharmaceutische Zeitung," as a cheap article of food in place of meat. The nutritive value of half a litre of Yoghurt milk, it is stated, corresponds to 250 grams of meat.

NEUTRAL STUDENTS.—One hundred and seven students, who are subjects of neutral countries, have been removed from the list of students of Berlin University on account of non-attendance at the lectures and failure to report their whereabouts.

GLYCERIN-SUBSTITUTES .- A large number of the most varied substitutes for glycerin are offered in Germany at present for technical purposes—c.g., a viscous solution obtained by macerating laminaria (brown seaweeds) for twenty-four hours in a solution of sedium carbonate.

Professor W. Ostwald, in an article in the "Chemiker Zeitung" (February 13), remarks that by the use of yeast for baking bread about 3 per cent. of the carbohydrates is lost. He therefore proposes to produce the required car-bonic acid by making uso of sodium bicarbonate and hydrochloric acid.

PROFESSOR DR. GUSTAV KRAEMER. Chairman of the Berufsgenossenschaft der Chemischen Industrie, died on Febgenossensenatt der Chemischen Industrie, died on February 9, at the age of seventy-two. Professor Kraemer was born in Halberstadt in 1842, and was the pupil, and for several years the assistant, of A. W. von Hofmann at Berlin University.

TRADE WAR WITH BRITAIN.—In an article under this title the "Apotheker Zeitung" of February 17 gives the names the "Apotheker Zeituing" of February II gives hournals, of British firms which, in advertisements in British journals, make boast of being "quite English." They are W. J. Bush & Co., Ltd.; the Lescol Perfumery Co.; Idris & Co., Ltd.; F. Schutze & Co., Ltd.; A. Wander, Ltd.; Charles Zimmermann & Co. (Chemicals), Ltd.; Plasmon, Ltd.; and Burroughs Wellcome & Co.

ENGLISH INDUSTRIAL SPIES!-The "Chem. Ztg." has published a warning against English industrial spies, who are nsued a warning against English industrial spies, who are said to have gone to Germany and Austria in order to get information about industrial secrets, the wages which are paid to the workmen, the prices which are paid by the different countries to which the products are exported, etc. By these and similar means the English are said to try to undermine German and Austrian trade.

Collapsible Tubes.—The controversy in the pharmaceutical Press regarding the request of P. Beiersdorff & ceutical Press regarding the request of P. Beiersdorff & Co. to return empty tooth-paste tubes has suddenly come to an end, as since February 1 all tin tubes have been "commandeered" by the military authorities. In the place of these, so-called "war tubes. 1915" will be employed, which are made of plate-iron covered with tin and parchment which has been specially prepared. These fulfil all the purposes of, and are said to be equal in all respects to the tubes.

READY REMEDIES are being manufactured jointly by the combined firms Merck, Bochringer, and Knoll. At present there is great demand for medicaments ready for imme-

diate use, such as tablets and sterilised solutions for subcutaneous injection. The combination of the three firms manufacture fifty-four "compreten" for internal use, six for cphthalmic use, and eight for subcutaneous injections. The factory of Dr. Laboschin in Berlin is making substi-

The factory of Dr. Laboschin in Berlin is making substitutes for French products, especially those of Homolle, Fevre, Houdé, Bengué, and Catillon; and Ernst Kratz, Frankfurt, is exclusively manufacturing substitutes for the preparations of Burroughs Wellcome & Co.

Economy in Medicaments.—In the Formulae Magistrales Berlinensis, published by the Berlin Board of Charity, physicians are asked to exercise the strictest possible economy in prescribing fats and oils. Glycerin may only be prescribed for internal use and for enemas, Doctors are also asked to avoid, if possible, the use of camphor, turpentine oil, benzine, etc., which are badly needed for war-purposes. Morphine and other opium-preparations should also be avoided as much as possible, as these are required in large quantities for wounded soldiers. Prerequired in large quantities for wounded soldiers. Prescribing of creolin and vascgen preparations and of "tabloids" is prohibited.

Sodium Salvarsan, as briefly mentioned in the C. & D., March 6, p. 37, has been produced by Professor Paul Ehrlich, and is a golden-coloured, water-soluble powder which, on exposure to air, becomes nearly insoluble, darker in colour, and at the same time of increased soluble, darker in colour, and at the same time of increased toxicity and diminished activity. It contains the same percentage of arsenic as neo-salvarsan (20 per cent.), and is therefore administered in similar doses. Professor Wechselmann, of Berlin, has tested it in about 12,000 cases in doses of 0.3, 0.45, and 0.6 gram, and asserts that it is preferable to salvarsan and neo-salvarsan. For use the sodium salvarsan is dissolved, in a sterilised Erlenmeyer flask, in 100 parts of freshly prepared and cooled sterile solution of pure sodium chloride in recently distilled water. The finished product should be passed through a sterilised filter finished product should be passed through a sterilised filter to remove the smallest traces of impurities.

SCARCITY OF FOODSTUFFS.—In consequence of the scarcity of foodstuffs in Germany several proposals have been made for making use of blood, on account of its large albumen-content, in the making of bread. Many pharmacists have studied the problem, including J. Bleck, pharmacist, Bonn, who has published a series of recipes for making blood-bread. Professor Dr. R. Kobert, of Rostock University, bread. Professor Dr. R. Kobert, of Rostock University, insists most urgently upon using blood from the slaughter-houses for the preparation of bread, and states that in addition to potaty-bread (K.-Brot), which is already generally used, B.-K.-Brot (blcod-potato-bread) ought to be obtainable in every baker's shop ( $\ell'$ . & D. March 6, p. 37). Another scientist is said to have found a method for converting straw into a valuable foodstuff. The application of corn for all other than food-purposes is prohibited, even as rat-poison. The "Apotheker Zeitung" suggests the use of hemp for this purpose, but it is stated that the capsule hemp for this purpose, but it is stated that the capsule of hemp-seeds would certainly prevent absorption of the strychaine solution: even bruised seeds would fail to absorb

it on account of the large quantity of fat they contain.

"The New English Dye-industry" is the title of an article by Professor Dr. Otto N. Witt in the "Chemiker Zeitung" (February 13), in which he explains how it is that the English dye-industry, which is older than the German industry and began its work under the most favour-able prospects possible, has been quite outstripped by the German industry. Professor Witt states that in the dis-cussions about this matter in England it is not so much cussions about this matter in England it is not so much the need of these dyestuffs which accounts for the endeavours to establish the industry as the bitter feelings of the English because Germany dared to lay hold of a branch of industry which was founded in England. He thinks the new industry will prove to be a failure, because of the lack in England of co-operation between science and industry. The English student refuses to be professionally educated in the same way as the German student is. The latter is obliged, whether he likes it or not, to devote himself for some time to the study of scientific methods. If for the solutions of scientific industrial problems Germany had to rely upon those with whom the desire for knowledge is innate, the industry would be on the same level as it is in England. In the second place, the control of business in English manufactories is insufficient, as it is usually entrusted to persons who are not equal to the usually entrusted to persons who are not equal to tho task, and Professor Witt adds that the commercial organisation of English merchants is also insufficient. There is one reason, however, why the endeavours concerned will never meet with success, and this is that in England a dividend must be paid on capital, instead of adding the profits to developing the business. He further contends that if the English textile industry will no longer require dyes, then Germany must devote herself to developing the textile industry, and so find a use for the dyes which are made, and compensate the country for the loss of the English trade.

# Canadian War-taxes.

THE Canadian Finance Minister's resolutions, upon which the special War-tax Bill is based were made which the special War-tax Bill is based, were made public in Ottawa on February 11. The following are the proposals in brief:

A general tariff increase of 7½ per cent, intermediate and 5 per cent, preferential, with certain exceptions, such as tea, sugar, tobacco, wheat, flour, and agricultural imple-

ments.

One per cent, on banknote circulation.
One per cent, on the gross income (Canadian) of trust and loan companies.

One per cent. on the net premiums of insurance companies except life, fraternal, and marine.

One cent on telegraph and cable messages. Ten cents for every five dollars on railroad and steamboat tickets. Ten cents on sleeping-car and five cents on parlour-car tickets.

One to three dollars per passenger from steamhoat com-panies carrying to ports other than in Canada, Newfound-land, the United States of America, and British West Indies. Two cents on all bank cheques, receipts, and bills of

exchange, express and post-office orders.

One cent on postal notes.

One cent (war-stamp) on each letter and postcard. Two cents on bills of lading.

Five cents per pint on non-sparkling wines sold in Canada, and twenty-five cents per pint on champagnes and sparkling wines. One cent on each ten cents' cost of proprietary medicines.

It is estimated that the revenue from these will amount to between \$20,000,000 and \$25,000,000. We subjoin the text of resolutions in respect to the changes which more intimately concern the chemical and drug trades:

#### PROPRIETARY MEDICINES AND WINES.

That every bottle or package containing (a) a proprietary or patent medicine. (b) perfumery, (c) wine, non-sparkling, (d) champagne and sparkling wine, shall be subject to the payment of the stamp-duties hereinafter set out: (n) A proprietary or patent medicine: (b) perfumery, the retail price for each bottle or package thereof being ten cents or less, one cent; for each ten cents, and in addition for any less, one cent; for each ten cents, and in addition for any fractional part of ten cents, one cent; (c) wine, non-sparkling, each bottle or package containing one quart or less, five cents; for each additional quart or fractional part of a quart, five cents; (d) champagne and sparkling wine, each bottle or package containing one pint or less, twenty-five cents; for each additional pint or fractional part of a mint twenty-five cents.

a pint, twenty-five cents.

That the provisions of any Act founded on these resolutions, in so far as such provisions relate to wine, non-sparkling, champagne, and sparkling wine, shall be deemed to have come into force on the twelfth day of February, 1915, and to have applied to all such articles (a) imported or taken out of Customs warehouse for consumption on and after that day, and to have also applied to such articles previously imported for which no Customs entry was made before that day; (b) owned by or in the possession of the manufacturer or producer thereof; (c) owned by or in the

possession of the wholesale or retail dealer therein.

CUSTOMS CHANGES.

The first resolution places nicotine sulphate from all parts on the free list.

Second Resolution: It is expedient to amend the Customs Tariff, 1907, by providing that:

(1) There shall, in addition to the duties of Customs otherwise established by Schedule A to the Customs Tariff, 1907, and Orders in Council amending Schedule A, be levied, collected, and paid upon all goods enumerated, or referred to as not enumerated, in Schedule A, except as hereinafter provided, when imported into Canada or taken out of warehouse for consumption therein, 7½ per cent. intermediate and general and 5 per cent. British pre-

intermediate and general and 5 per cent. British preference.

(2) There shall be levied, collected, and paid upon all goods enumerated as being free of duty in Schedule A, and in Orders in Council amending Schedule A, except as hereinafter provided, when imported into Canada or taken out of warehouse for consumption therein, 7½ per cent. intermediate and general and 5 per cent. British preference, Provided, however, that the following goods shall be exempt from the foregoing provisions:

exempt from the foregoing provisions:

(a) Goods admitted into Canada free of Customs duty under the provisions of Sections 8 and 9 of the Customs Tariff, 1907;

(b) Goods enumerated in Schedule C of the French Convention Act, 1908

(g) Bacteriological products or serum for subcutaneous

 (h) Vaccine and ivory vaccine points;
 (i) Pressed felt, elastic webbing, and hollow blocks of wood imported to be used in the manufacture of artificial limbs:

limbs:
(I) Goods enumerated in the following Tariff items in Schedule A: 1, 2, 3, 19, 20, 20a. 21, 22, 23, 28a, 29a, 39b, 40, 55, 60, 61, 66, 77a, 101a, 118a, 129, 132, 134, 135, 142, 143, 144, 145, 153, 164, 169, 171, 172, 173, 174, 175, 176, 178a, 186a, 184, 196, 201, 209b, 329, 329a, 348a, 352a, 359, 360, 369, 373, 441, 443, 445, 445a, 446, 466, 466, 470, 483, 544, 544a, 576, 595, 596, 676, 682, 688, 689, 689a, 690, 690a, 691, 692, 692a, 693, 694, 695a, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, and 709.

Provided further, that the duties of Customs collected and paid under the provisions of this section shall not be subject to drawback under Schedule B.

The third resolution is: Any enactment founded on the foregoing resolutions shall be deemed to have come into force on the twelfth day of February, 1915, and to have applied to all goods mentioned in the foregoing resolutions, imported or taken out of warehouse for consumption on

imported or taken out of warehouse for consumption on and after that day, and to have also applied to goods pre-viously imported for which no entry for consumption was made before that day.

The exceptions to the tariff increases covered by (1) include cocoa and chocolate products, surgical and dental instruments, artificial teeth not mounted, articles for schools, hospitals, and charitable objects.

# South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

#### The Union.

A YEAR'S TRADING.—During the year 1914 the imports of drugs, chemicals, and anothecaries' wares into the Union of South Africa amounted in value to 886.1191., compared with 964.5911. in 1913, or 78,4721. less. We give a few of the leading items:

	1913		1914	
Articles	131		131	7
zitieks	0 -1*/		0 111	T 1
	Quantity	Value	Quantity	Value
	-			
alon store Fire A	FOF	£	0.03	£
Acid, acetic gals. Acid, n;tric lb.	595 13,393	212 295	821 17,174	265 349
Acid, sulphuric lb.	291,976	1,509	286.207	1.402
Acid, tannic lb.	608	67 152.961	1,087	113
Apothecaries' ware, all kinds	827,810	12,635	780,599	148.367 12,504
Bromine, litharge, and man-	1		-, -,	· ·
ganese dioxide lb. Calcium carbide lb.	649,881 9,598.385	5,737 46,715	597,430 9,824,146	5,341 52,618
Cyanide of potassium lb,	39,847	1.175	50,734	1,887
Cyanide of sodium lb.	11,594,984	395.639	10,084,868	372,430
Disinfectants and germicides Medicinal preparations		43.272 123,955		46,555 105,571
Opium lb.	654	660	688	603
Potash compounds (n.o.d) lb.	1.027.149 5,249,698	12,909	786.895 3,897,996	9.048 21,988
Soda, eaustic lb. All other drugs and chemicals	3,49,690	30,700	3,031,330	21,700
(n.o.d.)	-	136,842		107,078
	_	964,591		886,119
		,,-		000

It will be noticed that the decline is of a slight all-round character, the most notable exceptions being calcium carbide and potassium cyanide. The imports of glycerin for manufacturing-purposes (not included with the above figures) amounted to 16.662.384 lb. (563,0144.), compared with 12.711.419 lb. (431,7124.), an increase of 3.950,965 lb. in weight and 131,3027, in value. Imports of oils amounted to 844.1081., against 804.8814. including 23.1071, worth of essential unperfumed oils (18.2344. in 1913). Other items were: Perfuned spirits, 6,438 gals, (17,2617.), against 8,771 gals, (23,2994.) in 1913: perfumery and toilet-preparations, 63.9971., against 65,8361.; photographic materials, 49,3531., against 54,7781.; and mercury, 300,752 lb. (27,7031.), against 265,413 lb. (24,0121.) in 1913.

#### Cape Province.

THE ANNUAL GENERAL MEETING of the Pharmaeeutical Society of Cape Province was held at the Society's Rooms on February 11. There were present Mr. G. R. Cleghorn (President). Messrs, Aitken, Dell, Edmeades, Dr. Froembling, D. K. Petersen, J. Sloan, Sowden, Thomas, and others. The Secretary's and Treasurer's reports were read, and the President gave a short and interesting résumé of the past year's work (which will be printed in full in the annual report). Mr. Sowden then addressed the meeting on the objects of the Defence Fund, pointing out how essential it was for the members of the Society to support the Fund. After the Secretary (Mr. Jas. Sloan) had read the report on the Benevolent Fund, the meeting terread the report on the Benevolent Fund, the meeting ter-minated. The Council afterwards met to elect officers, when Mr. Jas. Sloan was unanimously elected President, Messrs. G. R. Cleghorn and J. Dell Vice-Presidents, Mr. C. G. E. Edmeades Treasurer, and Mr. W. Aitken Secre-

# Pharmaceutical Society of Rhodesia.

The annual meeting was held at the Bulawayo offices of Lennon, Ltd., on January 26, Mr. W. J. Bickle (of Lennon, Ltd., the retiring President, being in the chair. The

following officers were elected for the ensuing year: President, Mr. G. T. Braneh (of Messrs. Strachan & Co., Salis-

Messrs. Strachan & Co., Salus-bury): Vice-President, Mr. W. D. Copley (of Messrs. Smart & Copley, Bulawayo); Secretary, Mr. R. C. Kerridge (of Messrs. Smart & Copley, Bulawayo): Treasurer, Mr.

Bulawayo); Treasurer, Mr. H. Goodwin (of Lennon, Ltd.

Bulaways): Ex-officio Member of Committee, Mr. E. Blewett (of Lennon, Ltd., Gatooma). It was unanimously decided that the

Society contribute 21/. towards

that section of the Matabele-



MR. GEORGE T. BRANCH, F.C.S. land War Fund dealing with

the new President of the of those who may lose their Pharmaceutical Society of Bhodesia passel the Minor injured while serving in the examination just twenty years ago. Subsequently he became principal demonstrator to the late Mr. W. Watson Will at has had several very inthe Metropolitan College of portant questions to deal with. Pharmacy. Besides being a three of which are worthy of thorough pharmacist he is a note. Firstly, with regard to capable biologist, and has been a Fellow of the Chemical Society since 1903.

landed cost price to all settlers who applied to the Government. After correspondence a working agreement was satisfactorily arranged, but the Society still maintained that the Government would have been better advised to have distributed quinine free in malarial districts, when their philanthropy would have been free from all commercial entanglements.

Secondly, with regard to a proposed Poisons Ordinance, the Government endeavoured to pass, without alteration or addition, an old Ordinance which had been in force in addition, an old Ordinance which had been in force in the Cape Province over twenty years, and attached to it a clause from a Pharmacy Bill. The Executive called a special meeting to discuss it, and it was unanimously decided to oppose the Bill, and letters were written to the Administrator and members of the Legislative Council setting forth the views of the Society. The result was that the Attorney-General admitted that the Bill had been illconsidered, and it was dropped.

Thirdly, with regard to alterations in the Customs Tariff, the Society's recommendations were to some extent adopted, the alteration in the classification of spirityous medicinal preparations being generally welcomed as sulting the needs of Rhodesia. Hitherto the heavy gallonage duty made the importation of British-manufactured galenicals prohibitive, and in this respect the Union of South Africa and Great Britain now compete on equal footing. The removal of duties on surgical dressings and appliances is also welcomed, and Rhodesia is indebted to the other members of the Customs Union for this boon.

# Legal Reports.

## Trade Law.

Dubonnet's Wine. A Court of Appeal, consisting of the Master of the Rolls, Lord Justiee Phillimore, and Mr. Justiee Joyee, dismissed the appeal by Edward & John Burke, Ltd., and Boord & Son from a judgment of Mr. Justice Sargant allowing La Société Anonyme Dubonnet, Paris, to register in Class 43 of the Trade-marks Act, 1905. the device of a cat in connection with "Dubonnet's Wine." By consent of the Board of Trade, their Lordships directed that the Registrar should proceed with the respondents' trade-mark as a mark for tonie-wine in Class 45.

Pharmacy and Poisons Acts.-At Oldham County Court on March 4, J. S. Butterworth, Ltd., were summoned at the instance of the Pharmaeeutieal Society, (1) for keeping open shop for the sale of poisons, and (2) for carrying on the business of a chemist and druggist at the shop, Lee Street. Oldham, without a registered chemist as manager thereof. It was proved by the Society that a box of gout and rheumatic pills containing colchicine was sold by a boy in the shop, and that no certificate of qualification was exhibited therein. No appearance was made for the company, and Judge Spencer Hogg imposed a fine of 5l., with costs, in each case, besides a guinea to the analyst.

**Malt Butter.**—Sheriff Thomson has given judgment in the ease reported in the C. & D., March 6, p. 42, where an article sold as "malt butter" was a mixture of malt extract and margarine. The Sheriff said the mixture no longer resembled margarine closely enough to deceive an ordinarily careful purchaser, nor did it resemble butter either. It therefore failed to satisfy the statutory definitions of margarine and the prosequents green expectation for the prosequents of margarine and the prosequents of executive failed. tions of margarine, and the prosecution consequently failed. He regretted the result, because it disclosed a defect in the statute. He added that an invalid who bought a mix-ture labelled "Malt and cod-liver oil" was grievously misled if he was supplied with malt and linseed oil, and he saw no difference between the two cases. Perhaps such sales might be punished and prevented under the Sale of Food and Drugs Aets, but, if not, there was room for some statutory amendment. He thought the prosecutor was perfeetly justified in taking action.

"Cash against Documents." -In the King's Bench "Cash against Documents."—In the King's Bench Commercial Court on March 10, Mr. Justiee Sankey heard an action brought by Mr. W. M. Happe, trading as W. Happe & Co., merchants. Fenchurch Street, E.C., against Mr. E. S. Manassch, Billiter Square Buildings, E.C. The plaintiff's ease was that Mr. Manassch contracted to sell him five chests of Patna opium at 1171, per chest net, shipment from Calcutta last July, and payment to be cash against documents on the arrival of the steamer. He claimed damages for alleged breach of the contract to deliver and the question for the Court was the meaning deliver, and the question for the Court was the meaning of the words "eash against documents," in view of the Moratorium. The vessel arrived on August 17, and the defendant did not tender the documents. Mr. Happe said he had to buy on a rising market, hence his elaim for damages. The defence was that Mr. Manasseh was released from tendering the documents by the plaintiff's letters, and that the Moratorium had nothing to do with the matter. His Lordship reserved his judgment.

"Phosferine" Passing-off Case .- In the Chancery Division, before Mr. Justice Sargant, on March 9, counsel in the action of Ashton & Parsons, Ltd., v. Dart, on a motion for judgment in default of appearance, as previously reported (C. & D., February 6, p. 39), asked for an injunction restraining the defendant from selling as "Phosferine" a preparation that was not the goods of the plaintiffs, and from generally passing-off as and for plaintiffs' goods articles that were not of their manufacture. It was also sought to restrain defendant from in any manner using the word "Phosferine" so as to imply that he had any connection with the plaintiffs. His Lordship remarked that the latter was a somewhat unusual injunction to ask for. Counsel explained that it was necessary, as the defendant had been using in the market-ylace at Leicester a board which might lead people to think that he was an agent of the plaintiffs. His Lordship grapted the injunctions as asked for, with costs, and directed an inquiry as to damages, the costs of the inquiry to be reserved.

Worcestershire Sauce Recipes.-In the Division, London, on March 5. Mr. Justice Eve heard an action by Lea & Perrins, Woreester, against William Dyson Barnitt, West Smithfield, London, claiming an in junction restraining him from making use of a recipe

purporting to contain the formula for the Worcestershire sauce made by the plaintiffs, and from making the contents of the recipe known to other persons. The defendant denied that the plaintiffs were the only firm possessing, as they alleged, the original recipe, or that it was a trado secret, and said that he had not now, nor ever had, any knowledge of the contents of such recipe, nor did he possess such recipe. For the plaintiffs it was stated that Mr. Lea and Mr. Perrins were the original partners in the firm, and they carried on business at Worcester seventy years ago as chemists. They made up the recipe from which the sauce was made, and it became such a success that they dropped the business of chemists to deal exclusively in the sauce. The defendant was the son and executor of the late Mr. Francis Barnitt, a partner in the firm, who was originally an apprentice with Lea & Perrins. When the latter died the remaining partners purchased his interest, and upon inquiry the defendant said that he had no copy of the plaintiffs' recipe, nor had he found one in his father's plaintiffs' reeipe, nor had he found one in his father's papers, yet, it was contended, he afterwards admitted that he had a copy of the reeipe and was going into business with another firm of Woreester-sauee makers. To this the defendant replied that he had no copy, nor had he any knowledge of the original reeipe from which the plaintiffs made their sauce, but he admitted that he had a reeipe for making Woreester sauce, which he had obtained from elsewhere in good faith. He denied emphatically using his position as his father's executor for the purpose of obtains position as his father's executor for the purpose of obtaining a copy of the original recipe, and he contended that he was crititled to use the recipe he had in any way he His Lordship refused to grant the injunction asked for, the defendant having made an affidavit that the recipe he had was not the original recipe from which the plaintiffs' sauee was made. He ordered the plaintiffs to pay the defendant's costs from the date of his affidavit.

Consumptive's Claim against Chemists.-In the Consumptive's Claim against Chemists.—In the King's Beneh Division of the High Court, London, on March 9, before Mr. Justice Low and a special jury, an action was brought by John Rudolph Colby, clerk, Catford, against Hooper, Struve & Co., Ltd., chemists and aëratedwater manufacturers, 7 Pall Mall East, claiming damages for personal injury. Mr. W. K. Horne, for the plaintiff, stated that the plaintiff alleged that he had developed consumption through the negligence of the defendants while sumption through the negligence of the defendants while sumption through the hegingence of the detendants while he was employed in their office as a clerk, either by the condition of the premises or through a fellow-employé. The plaintiff entered the defendants' employment in Novem-ber 1906, when he was fifteen or sixteen, and remained there until 1910. Shortly after he left the defendants' there until 1910. Shortly after he left the defendants' employment he developed consumption, and he alleged that a fellow-employé named Robbins contraeted consumption and remained at the office until a few days before his death. During the latter part of the time that Robbins was at the office the plaintiff eame much in contact with him, and became ill. Evidence in support of the contention that plaintiff was infected with tuberculosis by Robbins was given, and at the end of the plaintiff's case Mr. Lewis Thomas, K.C., for the defendant company, submitted that there was no case for the jury. If everything that had there was no case for the jury. If everything that had been said by the plaintiff was correct there was no liability upon the defendants. Colonel Clifford Probyn, chairman of the defendant company, was the first witness for the defence. He stated that he did not know that Robbins was suffering from consumption when he was in his office. No complaint had ever been made to him about Robbins expectorating on the floor. If employes wished to make a complaint to him they had no difficulty whatever in doing so. Sir John Collie, M.D., and Dr. F. J. Allan, medical officer of health for Westminster, testified to the office in which plaintiff had been employed being well ventilated and suitable for four persons. After other evidence and counsel's addresses to the Court, his Lordship summed up, and left the jury to answer the following questions:

Was Colonel Probyn negligent in allowing Robbins to be employed in the defendants' office? [The jury answered

in the negative.]

Did Colonel Probyn know that Robbins was in fact suffering from an infectious disease? [This was also answered

ing from an infectious disease. [This is the negative.]

Did the plaintiff continue in the defendants' employment knowing that Robbins suffered from an infectious disease and accept the risk? [To this the jury answered "Yes."]

At the suggestion of his Lordship, Mr. Lewis Thomas said he would not apply for costs, as the ease was brought under the new rule for poor persons. His Lordship added that he thought the inry would agree with him that there that he thought the jury would agree with him that there was no justification whatever for the scrious imputation which had been made upon Colonel Probyn to the effect that if Colby had complained to him he would have been discharged.

Foods by Insurance Act Prescription.-At Kilmarnock Sheriff Court, before Sheriff J. A. T. Robertson, on March 4, Martin Meldrum, Ayr and Irvine, sued the Ayr-shire Insurance Committee for payment of 11. 8s. 9d. for shire Insurance Committee for payment of 1l. 8s. 9d. for medicines dispensed by pursuer on medical prescriptions in terms of the Insurance Act. The items included in the accounts were one jar virol, two tubes phylacogen, two tins Benger's food, and one tin Savory & Moore's food. Mr. James M. Inglis, solicitor, appeared for the pursuer, and Mr. James D. Wyllic, solicitor, Clerk of the Insurance Committee, for the defenders. Mr. Inglis said that under the Act or increase property of the Medical Committee of the Insurance Committee, for the defenders. the Act an insured person is entitled as part of his Medical Benefit to obtain such drugs as his panel doctor may prescribe, and it was admitted that in this case the articles for payment of which pursuer sued were ordered in the usual form and duly supplied. His contention was that in such circumstances the chemist had no alternative but to dispense the prescription presented by an insured person from a panel doctor unless that prescription ordered sometrom a panel doctor, unless that prescription ordered something that the chemist had been specially warned he was not to supply. When Mr. Meldrum's account was rendered these items were objected to, and from the subsequent correspondence it appeared that the position of the defenders was that the Pharmaceutical Committee were entitled to go over the account and reduce or disallow arbitrarily any item in it. Ho submitted, however, and they was a straight interpretation of the regulations, and that was a strained interpretation of the regulations, and that what these mean is simply that in the event of a chemist overeharging they have power to correct the account, and they are also entitled to disallow any charges which are not vouched for by medical prescription or are for appliances expressly ruled out under the regulations. He understood that the reason why the items sued for had been disallowed was that they are in the nature of food-stuffs, and not drugs, with the exception of the phylaeogen. stuns, and not drugs, with the exception of the phylaeogen, which is a substance for injection as a preventive of rheumatism. An ordinary layman would say that if an insured person became ill it is the duty of those administering the Insurance Act to get him well again as soon as possible, and if these medicinal foodstuffs are necessary to attain that end then he ought to obtain them. It was true that a circular had been issued which stated that foods and proprietary drugs are not proper drugs in aeeordance with the regulations and ought not to be supplied by chemists, but that eircular was not issued until after the items in question in this case had been supplied. Prior to the issue of that eircular the Insurance Committee paid for such items, and his information was that a number of Insurance Committees were still doing so. Mr. Wyllie said the amount involved in this case was small, but it was a very large question for his Committee. If chemists were to be entitled to supply these things on a written prescription of a doctor it would involve a very large expenditure from the Drug Fund, which is limited, and the issuing of the brug rund, which is limited, and the issuing of the circular would not meet the case because it was only what he might call a pious opinion of the Commissioners and had not the binding force of their regulations. The latter are really an Act of Parliament as they have statutory effect. Mr. Wyllie explained that last year about 80,000 preseriptions were dispensed, and in accordance with the regulations these were examined by a cheeker for the Pharmaceutical Committee who struck out these items in Mr. Meldrum's account. The checker ruled that phylacogen is an appliance, on what grounds he (Mr. Wyllie) did not know; and the other items were struck out because they were foods, and not drugs. Subsequently, when the decision was disputed by Mr. Meldrum, the Pharmaceutical Comwas disputed by Mr. Meldrum, the Frarmaceutical Committee were asked to examine all the correspondence and report, and they upheld the ruling of the cheeker. He submitted that under Regulation 44 this decision of the Pharmaceutical Committee forcelosed the matter, and that Pharmaceutical Committee forcefosci the matter, and that the Insurance Committee could not afterwards pay for these items because that would be a direct violation of the Commissioners' regulations, which in effect were an Act of Parliament. In reply to the Sheriff, Mr. Wyllie said he was bound to put his ease as high as this: that under the regulations the Pharmaeeutical Committee had power to disallow every single item of pursuer's account, and the Insurance Committee would then be compelled to refuse payment of the whole account. Pursuer's only remedy then would be to raise an action of damages against the Pharmaceutical Committee and prove that they were actuated by animus against him; but, of course, such an extremo ease as that was scareely conecivable. His contention was that the Insurance Committee had no power to pay the account until it had been submitted to the Pharmathat ended the matter. The Sheriff took the case to that ended the matter. avizandum.

SPANISH SAFFRON.—The exports from Alieante during 1913 amounted to 17,060 lb.

# Limited Companies.

# New Companies Registered. 2.C. means Private Company and R.O. Registered Office.

STANDARD WOOD CHEMICALS Co., LTD. (P.C.).—Capital 1,0007., in 17. shares. The subscribers are F. J. Abbott and W. Lumb, 16 Harlsham Avenue, Streatham Hill, S.W.

ENGLISH GLASS WORKS, LTD. (P.C.).—Capital 1,000l., in 1l. shares. The first directors are Mrs. Maud Luker and J. Drake, 711 Oldham Road, Newton Heath, near Manchestor.

CHEMICALS AND DYEWARES, LTD. (P.C.).—Capital 5,000l., in 1l. shares. Objects: To carry on at Silkstone, near Barnsley, Yorks, and elsewhere in the United Kingdom, the business of manufacturers of and dealers in dyewares, sulphuric acid, the

CHARLES STEVENS (OLDHAM), LTD. (P.C.).—Capital 1,0001., in 51 shares. Objects: To take over the business of wholesalo and retail chemists and druggists, drysalters, and merchants, carried on at 14 Market Place, Oldham, as "J. Hulme & Co., Ltd." C. Stevens, 109 Clarksfield Road, Oldham, is permanent managing director, subject to holding thirty shares, with 1561. per annum as remuneration. R.O., 14 Market Place, Oldham.

Pyro, Ltd. (P.C.).—Capital 1,500t., in 1t. shares. Objects: To carry on the business of manufacturers and sellers of any acid of phosphorus or salt, chemical-manufacturers, tanners, manufacturers, reliners, importers and exporters of and dealers in fats, oils, ointments, raints, etc. The first directors are W. Hesketh (managing director), W. E. Aspden, W. D. Turner, and A. Thompson. R.O., The Tannery, Clerry Tree, Blackburn.

Springer Half Co. Ltd. (P.C.)—Capital 1,600t. in 1t.

STRATFORD HAIR Co., LTD. (P.C.).—Capital 1,600L, in 1/shares. Objects: To carry on the business of preparing for use, curling, drawing, and dealing in hair and bristles, and making and dealing in brushes, etc., and to enter into an agreement with F. W. Ingram, G. A. Hardy, C. H. Murrell, and M. Chance. The first directors are II. L. H. Hill (chairman). H. McFarlane, C. H. Murrell, and H. A. Williams. R.O., 2 Broad Street Place, E.C.

LIVERPOOL GENERAL PRODUCE ASSOCIATION, LTD.—Capital 5,000L, in 10L shares. Objects: To promote and protect within the United Kingdom or elsewhere the production of or dealing in produce (vegetable, mineral, or animal), and the production of dealing in, or manufacture of materials, articles, and things which may from time to time be dealt in by produce or general merchants, dealers, or brokers, or by manufacturers of materials, articles, or things. The subscribers include Joseph Crosfield & Sons, Ltd., William Gossage & Sons, Ltd., Lever Bros., Ltd., and many shipping and produce firms. Secretary, A. B. Leather, 14 Castle Street, Liverpool.

BRITISH DYSS, LTD.—Capital 2.000.000L, in 1L shares.

BRITISH DYES, LTD.—Capital 2.000,000/., in 1l. shares. Objects: To carry on the business of dyers, manufacturers of and dealers in dyes, colours, chemical substances, industrial and other preparations, articles, and compounds: to take over all or part of the business, property, and liabilities of any person or company in the United Kingdom or elsewhere: to expend money in experimenting: to establish, maintain, and conduct chemical research and other laboratories, training-colleges, schools, and institutions, etc. The first directors (to number not less than six, nor more than twelve) are Sir Mark Oldroyd, Dewsbury; J. Falconer: H. W. Christie (director of United Turkey Red Co., Ltd.); G. Garnett, Apperley Bridge: C. Hollins, K. Lee, G. P. Norton, C.A., Huddersfield; Sir Frank F. Adams, C.I.E., Manchester; and Sir Gilbert Claughton, Dudley (chairman, L. & N. W. R. Co.). If and so long as any money on loan to the company from II.M. Government (whether secured by debentures or not) remains unpaid, two of the directors for the time being shall be nominated by the Government. No person may be a director or alternate director or member of any Committee appointed by the Board unless he is a British subject and has made a declaration, and, if so required, produce evidence satisfactory to the Board of Trade that he is a British subject and not subject to the influence of a foreign State, body, person, or corporation, or a corporation under foreign control. No appointment of a new director (other than a Government director) is to be valid unless such new director is appointed or recommended for appointment by all the directors for the time specified by Panama, Paraguay, Grespect to her newly accommended for appointment by all the directors for the time specified by respect to her newly accommended for appointment by all the directors for the time specified by respect to her newly accommended for appointment by all the directors for the time specified by respect to her newly accommended for appointment by all the director

perform special services, or go or reside abroad for the purposes of the company.

# Company News.

United Alkali Co., Ltd.—The directors recommend a further dividend of 7s. per share on the 8 per cent, preference shares, making 11s. (5½ per cent.) for the past year, adding 50,000%, to reserve, and carrying forward about 53,000%.

PRUDENTIAL ASSURANCE Co., LTD.—The directors' report and statement of accounts for the year ended December 31. 1914, which has been issued this week, deals with enormous figures. The assets, for example, from both branches (ordinary and industrial) are given as 91,202,3431. 13s. 10d., and the total surplus of the two branches as shown by the valuation is 3,337,6751. Of the surplus. 750,0001. is to be added to the investments reserve fund, 1,730,0041. distributed among policyholders, shareholders, and staff, and 557,6711. carried forward. The premiums received in the ordinary and industrial branches amounted during the year to 13,211,8071. On the outbreak of war the directors decided to charge no extra premiums in respect of existing policies on the lives of those engaging on active service for the period of the war, and in respect of policies on the lives of other members of the Regular Forces it was decided that 2501. of assurance on any life should be exempted from the payment of extra premium. It is also reported that the six Prudential Approved Societies formed under the National Insurance Act have increased in membership during the year. Benefits amounting to 3,00,0001, have been distributed on account of these societies.

British Dyes, Ltd.—The prospectus of this company, which is to undertake the manufacture of aniline dyes on a large scale, and which is to receive substantial assistance-from the Government, was issued this week. The authorised capital is 2,000,000/., in 1/. shares, and in addition the Government has agreed to advance 1,500,000/., to be secured by mortgage debentures carrying interest at 4 percent, per annum. The prospectus explains the scope of the operations of the company. The first question to be considered by the directors will be the acquisition of the business of Read Holliday & Sons, Ltd., Huddersfield for which purpose an option exists to purchase for 248,265/. on a specified date, with adjustments and discharge of debts and liabilities amounting to 59,500/. The price for goodwill is approximately 74,158/. There is an alternative option to purchase shares belonging to the shareholders of Read Holliday & Sons, Ltd. Application for shares is invited from users of dyes and colours and from others willing to assist in providing a supply. A copy of the form of users' agreement is given, the main point of which is that the customer undertakes to purchase dyes from the company for five years. The office of the company is 7 Norfolk Street, Manchester.

The Ofium Conference.—The European war has practically put an end to the negotiations of the International Opium Convention, further correspondence about which hasbeen issued by the Foreign Office in regard to the third meeting, from which it appears that the following signatory Powers had ratified the Convention: United States, Belgium, China, Denmark, Guatemala, Italy, Portugal, Siam. Sweden, Venezuela, and Honduras. The following signatory Powers were ready to ratify: Great Britain, Japan. Netherlands, and Persia. The following signatory Powers were prepared to ratify as soon as the necessary legislative sanction had been obtained: Argentina, Brazil, Chile. Ecuador, Spain, Haiti, Luxemburg, Mexico, Costa Rica. France (disposed to ratify with a reserve for Indo-China and India). The following signatory Powers had not yet announced their intention of ratifying: Germany (had intimated that she was not disposed to ratify at present). Dominica, Montenegro, Roumania. Russia (disposed to ratify as soon as the application of the Convention could be sufficiently general to be effective), Salvador, Switzerland (had made a reserve in regard to ratification that it would not be possible to promulgate the necessary legislation within the time specified by the Convention). Uruguay, Bolivia. Bulgaria, Colombia, Cuba, Peru, Nicaragua, Norway. Panama. Paraguay, Greece (had withdrawn the reserve in respect to her newly acquired territories). Austria-Hungary had not yet signed the Convention owing to reasons of a constitutional nature, but had declared her firm intention to adhere. Turkey has refused to sign the Convention or conomic grounds, and Servia because she had been unable to study it sufficiently. The British delegates trust that when international relations are resumed the progressive stages in abolishing the abuse of opium and other kindred drugs may be resumed.

# Gazette.

# Partnerships Dissolved.

Berrill, A., Dent, L. W., and Anderson, C. E., Woodford, physicians and surgeons, under the style of Berrill,

Dent & Anderson.

HILLYAR, C. B., and Brimblecombe, S. L., Wellington, Somerset, physicians and surgeons, under the style of Hillyar & Brimblecombe.

SWEETLAND, J. A., and BURNINGHAM, W. J., Camomile Street Chambers, London, oil and produce brokers, under the style of Arthur Brown & Co.

# Bankruptcy Acts.

RECEIVING ORDERS AND ADJUDICATIONS.

Burbidge, H. C., 156 Scotland Road, Nelson, lately at East-field House, Nelson, physician and surgeon. Jones, H. P., 25 Liverpool Road, Stoke-upon-Trent, chemist

and druggist.

Kirkley, T. C. I., trading as T. C. Kirkley & Co., 10 Bournville Avenue, Heaton Norris, Lancashire, and Reliance
Works, Queen's Buildings, St. Peter's Square, Stockport, manufacturer of toilet and medical preparations.

# Bankruptcy Reports.

Re Keevill, Webb, Fardon & Co., 39 Redeliff Street, Bristol, Manufacturing Chemists.—C. R. Harker, Stagg & Morgan, Ltd., London, are creditors for 15l.

Morgan, Ltd., London, are creditors for 10t.

Re Francis Graham Lloyd, Australian and Indian Merchant, carrying on business at 40 King Street, Cheapside, as B. S. Lloyd & Co.—The creditors of this debtor met at the London Bankruptey Court on March 9, when it was stated that the business was started by his father sixty years ago. In 1906 a branch was opened in Bombay, and this was carried on under management at a loss. The years ago. In 1900 a branch was opened in Bombay, and this was carried on under management at a loss. The Australian and New Zealand trade was successful until the outbreak of the war, which diverted shipments and cancelled contracts. The debtor estimates his liabilities roughly at between 20,000*l*. and 30,000*l*. The value of the assets had not been ascertained, but 1,579*l*, is in the hands of the trustee under a deed of assignment.

Re James Stoble, Comrie, Chemist and Druggist.—
This debtor was examined in Perth Sheriff Court on
March 4 on accounts showing liabilities 752l. 16s. 7d. and
assets 137l. 5s. 8d., the deficiency thus being 615l. 10s. 11d.
He stated that he had a big family to keep up, and his
expenses were heavy. The Insurance Act caused a drop in
his profits, owing to much smaller prices, and latterly he
had opposition and big doctors' bills to pay. The stock
was valued at 110l. It was taken over by his wife, and at
present time he is manager of the business for his wife.
Answering further questions, the bankrupt stated that he
felt a difference in business after the Insurance Act came
into force, and estimated that he was 20l. down in profits into force, and estimated that he was 20%. down in profits on the year. The examination was closed.

# Deed of Arrangement.

Parkin, Frederic Brooks, 6 Holloway Street, Mineficad, Chemist and Druggist.—Trustee: P. S. Booth, 35 Exchange Chambers. 2 Bixteth Street, Liverpool. Dated, February 26; filed, March 4. Liabilities unsecured, 9714; estimated net assets, 1,3301. The creditors include: The British Drug Houses, Ltd. (1401.); Allen & Hanbury, Ltd. (801.); G. B. Kent & Sons, Ltd. (281.); Wright, Layman & Umney, Ltd. (157).; Sangers (551.); Idris & Co., Ltd. (171.); Houghtons, Ltd. (131.); Kodak, Ltd. (141.); D. & W. Gibbs, Ltd. (81.); British Oxygen Co. (61.); Parkc, Davis & Co. (51.); S. Maw, Son & Sons (601.); Oppenheimer & Sons, Ltd. (31.); Duncan, Flockhart & Co., Ltd. (31.); Burroughs Welleome & Co. (71.); Brand & Co., Ltd. (31.); Ingram & Royle, Ltd. (91.); Oatine Co. (41.); Smith & Co. (31.); Meggeson & Co., Ltd. (121.); Wood, Vincent (31.); Vinolia Co., Ltd. (31.); Standard Tablet and Pill Co., Ltd. (31.); Avrton, Saunders & Co., Ltd. (601.); and Zenobia, Ltd. (31.). Parkin, Frederic Brooks, 6 Holloway Street, Mine-

Borax Consolidated, Ltd.—The directors announce a final dividend at the rate of 1s, per share, less tax, on the deferred ordinary shares, making a total of  $7\frac{1}{2}$  per cent. for the year.

# Marriage.

Authenticated notices are inserted without charge.

ALLAN—YOUNG.—At St. David's Assembly Rooms, Dundee, on March 1, by the Rev. A. N. Sutherland, assisted by the Rev. Alex. Adamson, John Allan, pharmacist, Oldham, to Flora Douglas Kennedy, third daughter of James Young, painter, Dundee.

# Deaths.

Authenticated notices are inserted without charge.

AITKEN.—At 343 Upper Street, Islington, London, N., on March 6, Mr. Robert Douglas Aitken, chemist and druggist, aged thirty-eight.

Berry.—At 32 Fountainhall Road Aberdeen, on February 25, Mr. Andrew Wales Berry, chemist and druggist,

aged sixty.

CAREY.—At The Groves, Grassendale Park, Liverpool, on March 3, Mr. Eustace Carey, F.I.C., aged eighty. Mr.

Carey was educated at Univer-Carey was educated at University College School, London, and the Royal School of Mines. In 1857 he entered the service of Gaskell, Deacon & Ce., chemical-manufacturers, Widnes, and in 1871 became a partner. In 1890 this business became a branch this business became a branch this business became a branch of the United Alkali Co., Ltd., and Mr. Carey was appointed secretary, from which position he retired which position he retired last year. He was President of the Society of Chemical Industry in 1906-7, of which Society he was a founder. To Mr. Carey and the late Dr. Hürter largely belonged the great of the president of height specified by the great of the great of



the credit of having rescued the Leblane soda process from the danger of annihilation by the introduction of improved methods, especially in regard to the production of chlorine and its utilisation in the manufacture of bleach and chlorates.

Dodds, author of the "Guide to the Pharmaceutical Preliminary Examinations." Since his father's death Mr. G. P. Dodds, F.C.S., son of the late Mr. William Dodds, author of the "Guide to the Pharmaceutical Preliminary Examinations." Since his father's death Mr. G. P. Dodds had taken up his father's work, and had prepared one supplement to the "Guide."

GOULDBOURN.—At Coton Crescent, Shrewsbury, on February 23, Mr. William Gouldbourn, chemist and druggist, of Gouldbourn & Son, chemists, 16 Pride Hill, Shrewsbury, aged seventy-two. Mr. Gouldbourn served his apprenticeship in Chester, and subsequently was an assistant with Hooper & Co., Pall Mall, London. He had been in business for some forty years, but latterly had been in failing health and suffered from deafness. and suffered from deafness.

HOLT.—Suddenly, in the Dispensary, Ancoats Hospital, Manchester, on March 6, Mr. Robert Dickinson Holt, chemist and druggist, dispenser to the hospital. Mr. Holt received his early training with J. Woolley, Sons & Co., Ltd., Manchester, and was for six years in business at Stoke-on-Trent, before entering the service of the Ancoats Hospital in 1899.

POLLARD.—At Hertford on February 28, Mr. Frederick Ernest Pollard, F.C.S., F.I.C., aged fifty-five.

POWELL.—At Brynmill, on March 5, Mr. David Powell, chemist and druggist, aged eighty-three. Mr. Powell was a native of Merthyr Tydvil, and was in business in Swansca from 1860 till his retirement a few years ago. He was a talented musician, and was connected with the old Swansca Choral Society. He is survived by a widow and two sons, one of whom is a chemical-manufacturer in London. The interment took place on March 9.

RICHARDS.—Recently, Mr. James Griffiths Richards, chemist and druggist, aged seventy. Mr. Richards was for many years in business at 58a High Street, Hastings.

ROBERTSON.—At Tayside Cottages, Aberfeldy, on March 3, Mr. James Robertson, chemist and druggist, aged twenty-

SEED.—Suddenly, at 17 Woodfield Road, Blackpool on March 6, Mr. John Seed, aged fifty. Mr. Seed was for twenty years manager to Mr. Garland, chemist, Foxhall Road Blackpool.

SHARP.—At Albert House, Scotland Lane, Horsforth, on March 4, Mr. John Sharp, of H. Sharp & Son, Ltd., manu-facturing chemists, Park Mills, Armley, and at Darley, aged fifty-six.

#### Killed in Action.

Will.—At Lutzputs, South Africa, on January 8, Mr. Alan Will, chemist and druggist, formerly of Will & Wheeler, chemists, Uitenhage, S.A. Mr. Will was born at Colesburg, Cape Colony, about thirty-five years ago, and was apprenticed to the late Mr. Martell, of that town. After was apprenticed to the late Mr. Martell, of that town. After experience in Port Elizabeth and Kimberley, he purchased in 1903 the business of Mr. Henry Bryne at Uitenhage, where shortly afterwards he was joined by Mr. Frank Wheeler, and the business was earried on for several years under the style of Will & Wheeler. Mr. Will retired about two years ago and engaged in farming on the banks of the Orange River near Norval's Pont along with his brother, Mr. Frank Will. At the outbreak of the rebellion the brothers joined Malan's Hanover Commando, and both were brothers joined Malan's Hanover Commando, and both were killed at Lutzputs, on the border of German South-West Africa, on January 8, in an engagement with an over-whelming force of rebols under Kemp and Maritz. The late Mr. Will possessed a charming personality, and the announcement of his death was received with deep regret by a wide circle of friends.

#### Died from Wounds.

Davis.—On February 22, of wounds received in action near Ypres on February 20, Lieut. Herbert N. Davis, 3rd London Field Company Royal Engineers (second son of Mr. Edward Davis, of Messrs. Edward Davis & Co., producebrokers, Fen Court, Fenchurch Street, London, E.C.), aged twenty-three.

# Wills.

MR. YNYR STEWART PENDREL LLEWELYN, chemist and druggist, 83 Winchcombe Street, Cheltenham, who died on February 7, left estate of the gross value of 4191. 18s. 6d., with net personalty of the same amount.

MR. JOSEPH HARRIS, retired chemist and druggist, 12 East Park Parade, Northampton, who died on January 23, left estate of the gross value of 19,0481. 10s. 1d., of which the net personalty has been sworn at 5,4111. 13s. 4d.

MR. HENRY FREDERICK SMITH, Beech Lawn, Sutton, Yorks, of H. F. & Lee Smith. Ltd., seed-crushers, Hull, who died on December 29 last, left estate valued at 31,5031. 13s. 9d. gross, with net personalty 9,7861. 3s.

MR. HERBERT WRIGHT, chemist and druggist, Slyth Villa, Gordon Hill, Enfield, who died on December 19, left estate

Mr. Herbert Wright. chemist and druggist, Slyth Villa, Gordon Hill, Enfield, who died on December 19, left estate valued at 4.680%. 12s. 5%. gross. with net personalty 4.614%. 11s. 4%. Probate of his will has been granted to his widow, Mrs. Eliza Fletcher Wright.

Mr. Jas. Marsden, chemist and druggist, 40 Flixton Road, Urmston, who died on October 13, left estate of the gross value of 1.516%, with net personalty 932%. Probate of his will has been granted to his sons, Mr. E. G. L. Marsden, chemist and druggist, Flixton: Mr. F. H. Marsden, Urmston; and Mr. W. Marsden, Preston.

Mr. CLIFFORD ("HRISTOPHERSON, The Maples, 44 Lee Road, Lee, S. E., and 21 Mineing Lane, London, E.C., chemical-merchant, who died on December 16 last, left estate of the gross value of 8,477%. 3s. 8%, of which the net personalty has been sworn at 7,490%. 19s. 10%. Probate of his will has been granted to his widow, Mrs. Mary Jane Christopherson, of the same address, and his son. Mr. Dudley Clifford Christopherson, 91 Lee Road, S.E. The testator left all of his property to his wife absolutely. his property to his wife absolutely.

#### "C. & D." Dose and Metric Card.

"C. & D." Dose and Metric Card.

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A pharmaeist on active service in the R.A.M.C. (6/10), writing from the Hospital Sophie Berthelot, Rue de Vauxhall, Calais, on February 10, says: "I beg to acknowledge receipt of Metric Chart, for which please accept my best thanks; it has been most useful to me this last day or two, as nearly all my 'scripts' are written in French. Good old C. & D.; once again to the fore."

DURING THE NINE MONTHS ended September 1914 imports of drugs and chemicals into the Australian Commonwealth amounted in value to 943,000%, against 917,000%, and 904,000% for the corresponding periods of 1913 and 1912 respectively.



Postal Address:

C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C. Telegraphic Address: "CHEMICUS, CANNON, LONDON" (two words). Telephone Number: 3617 CENTRAL (three lines).

# INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

'Raditherm' vaeuum

flasks.
25/38. Formaldehyde, in fluid.
powder, and tablet form,
"Ayton" (or "Ayrton")

"Ayton brand.
23/52. Broad's poultice-bags: present address of makers.
33/18. "Santa Luein" wine.
24/20. "Panstrepton" rubber-

32/48. Clark's fly-powder.
35/63. "Foreign and Colonial
Drug Co., London," makers of
shampoo-powders: address.
34/43. Broadhurst's stain-remover (for the teeth).

34/430. Linetus heroin (Bannerman). 34/431. Tinet. ca lochiæ: supplies. castor astro-

See also "War Wants Exchange" in the Coloured Sur plement.

#### INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.:

Acetone (for China), 20/17 Omnium bandages, 2/66, 6/15 Adalin tablets, 23/14

Acetone (for China), 20/17 Adalin tablets, 25/19 Adocek's disinfectants, 18/26 Aniline dyes (for China), 20/12 "Autan," 9/502 Aymard's patent steriliser, 5/34

patent steriliser,

Bateman's conversation tube, 24/62 Bitrate of tar, 24/420 Bromine (American French), 25/70 Butterfield's soothers, 15/31 Cachet apparatus, 12/18 Cacodylates, 23/27 Carbon bisulphide, 23/29 Clarke's blood-mixture, 6/33 Clarke's G.B. vegetable pills,

11/6 Coffin's tooth-powder, 24/27 Collargol, 9/500 Copper oxide (for Norway),

Crinkled paper caps, 24/31 "Crolas" ol ricini Crinkled paper caps, 24/51
"Crolas" ol ricini (for Shanghai), 19/51
Cyanides, 21/7
Duturin sulphate, 23/270
Dodd's preparations, 25/64
Exteding 11/29

Ectodyne, 11/72 Ethyl iodide, 20/35 Ethyl iodide (for Holland), 16/430 Eupnine, 9/4

Liquorice-juice (British brands for Norway), 15/37 Little's Oriental balm, 255/52 "London Pride" preparations,

Lysol makers (for Egypt), 14/340 Magie-Lanteyn outfits, 248/72 Magie-lantern outfits, 248/72 "Magnetic" chest protectors,

Malaceine cream, 14/13 Mallock-Armstrong car-defender, 255/20 Malonie acid (Dutch inquiry),

16/43 Medicated soaps (proprietary):

makers, 250/39
Medicine-tumblers, 246/53
Mennen's taleum powder, 12/1
Menthells, 255/13
Methylated spirit (for Ceylon), 254/30

Moore's toxin (European agent), 14/3?

Omnium bandages, 2/66, 6/15 Orilene capsules, 15/31 Orlex, 23/25 "Postlip' filter-papers, 253/4 Potash muriate, 14/74 Potassium permanganate (New-York supply), 233/9 Poudre de Santé, 1/721 Preliminary examination Poudre de Santé, 1/721
Preliminary examination
tuition, 4/16
Prince Albert eachous, 9/6
Private greeting cards (for
Canada), 250/55
Provae, 257/48
"Psychine" toilet-preparations, 252/59
"Pyx-Tyx" grip cement, 21/55Ouchrache extract, 246/7 Quebracho extract, 246/7 Rubber gloves, toy ballons, etc.

(for Switzerland), 6/ Rubber pads (for trusses) 10/11

Saladin, 24/42
"Sambuei" soap, 20/39
Sanagen, 21/1
Scrap eelluloid, 23/69 Singleton's eye ointment, 6/65' Snowleen, 18/33

Sodium amalgam., 18/40 Sodium glycerophosphates, 14/670

Sodium sulphide, 4/34 Souchong tea (for Switzer-land), 8/16 Squibb's ague specific, 11/71 String-bound shaving-brushes, 23/64

Tablet tubes, 14/67 Tamarinds (in quantity W.I.) 21/12

Tegmine, 17/72
Thermometers (for Russia), 23/40

Thiol soap, 21/131 Thorium nitrate (for Russia), 22/40 Tubol, 1/10 Urillae, 13/13 Urodonal, 23/28

Uzara preparations. 9/502 Vacuum flasks, 21/10 "Vermigelli," 6/63 Vino Sacro, 5/55 Dr. Watson's feeding-bottless

Dr. V 2/64 Wickering for Cologne bottles,

257/47 Sec also "War Wants Exchange" in the Coloured Sup-

# Observations and Reflections.

By Xrayser II.

#### The Debate on Discounting in London,

at the meeting of the Insurance Committee on February 25, is not reassuring. Even Mr. Woolcock missed the point when he said that the machinery for preventing waste had not proved sufficient. He would have been nearer the mark had he used the word "efficient." There is too much machinery, not too little, but it is about as ill-adapted as possible to its purpose. I hope Mr. Woolcock is not going to ask for more, and arrange for us to pay for it-"in the lowest deep a lower deep still threatening to devour us!" Dr. Richmond was well answered by Mr. Woolcock on most of his points, and indeed he to a large extent refuted himself, but one obviously mistaken idea of his appears to have passed without remark. He said the doubling of the London panel suggested that the number of patients had also been doubled, but it suggests nothing of the kind to one who remembers what class of doctors kept off the panel, and the neighbourhoods in which most of them practise. His remark that chemists cannot fairly be made to bear "the whole of the cost" of the excess of drugs was distinctly funny. On what principle of justice can they be made to bear any of it? When he said that our "professional fee" amounts to 50 per eent, of the cost of the medicine he showed that he did not know what he was talking about. Our only hope of recovering any part of this 53,000l. appears to lie in the issue of the inquiry which Mr. Montagu says is in progress. We must keep the matter before Parliament.

# The Instructions to Panel Practitioners

which have been suggested by the British Medical Association Sub-Committee may do good if they are accepted and acted upon by the panel practitioners as a whole, but it must be remembered that one wilful prescriber in any district can upset even the most carefully-thought-out precautions. I confess 1 am sorry that such instructions should be necessary, for, the object being to save money, the general trend is to cheapen the medicinc, and the panel patient may suffer in the long run. If greater emphasis had been placed on the avoidance of waste by restricting the quantities prescribed rather than by reducing the quality of the drugs, it would have been much more satisfactory. The proposal to dispense methylated liniment "unless otherwise prescribed" is a rather unhappy way of expressing what the instructors want to say, for it lays the panel chemist open to the plausible temptation to use a "cheap and nasty" liniment even when his pharmaceutical instincts and legal obligations compel him to supply the genuine article.

# The Recommendation of the Committee

of the Pharmaceutical Council not to take any further part in Pharma. copaia revision under present conditions will be approved by all loyal pharmacists. It is more than sixty years since the College of Physicians, who had up till then been too jealous of the growing power of the chemists to take any such step, first asked the Society for help in the preparation of their book, and this new departure has not yet been continued to its logical conclusion. It was sheer necessity only that prompted the first step. Phillips, the editor of the last two editions of the P.L., had begun life as a chemist and druggist, and his death in 1851 had brought home to the College the fact than they did not in their own body possess the special knowledge required for the work. This is still true of the medical profession of the three Kingdoms as a whole, and the Medical Council is aware of the fact; but we are still denied our proper place as collaborators with medical men on the Pharmacopæia Committee. That we have submitted to occupy an inferior position for so long a time speaks more for our meekness than for our commonsense; to occupy it longer, now that the Pharmacopæia is not

only (as it always has been) binding upon us as dispensers of physicians' prescriptions, but has virtually become the standard by which much of our retail business is regulated, is unthinkable; and our new status as dispensers to the State, as directly responsible to the State as the doctors themselves, should give an irresistible force to our demand for direct representation on the Committee.

#### Advertisement

is the flag that must be kept flying through all discouragement—the outward and visible sign of that enterprise and self-reliance which is the soul of business. Even if no immediate result is seen or can reasonably be expected the flag must be kept up, since to lower it is the signal of surrender. Such is, in effect, the advice given to traders of all classes by those experts who have contributed to the series of articles on "Business in Wartime" to which you referred last week. From this point of view it is reassuring to read that something like 860 German newspapers have, since the war began, stopped for want of advertisements. Mr. Phillip Benson, who andresses himself largely to retailers, is even more emphatic than Mr. Morgan Richards on the necessity of advertising. This is a form of activity from which many retail pharmacists shrink, and undoubtedly there are advertising methods which would be unprofitable to them; but it is difficult to see why we should regard as unworthy of ourselves such advertisements as we welcome from our brothers in the wholesale trade. The pharmaeist, however, is his own best advertisement, and his shop, which should be the expression of his own business personality, is the next best; let character and efficiency be evident here, and means and channels by and through which they may be made effective in ever-widening eircles will not be wanting. The most immediately effective personal advertisement is a cheerful and confident carriage. People will not believe in those who do not appear to believe in themselves, and the grumbler is a standing advertisement of his own failure. This is probably the explanation of the comparative failure of so many otherwise good men. I once knew two excellent fellows and competent pharmacists, carrying on business almost next door to each other, whom I always thought of in Charles Lamb's phrase—"Toothache and his brother Gumboil." They were not successful men, and they have many near relations in the trade.

#### For Our First Knowledge of Senna

we are indebted to the Arabians, who, however, preferred the pods to the leaves. They seem also to have regarded Mecca senna as the best. In Gerard's time a species of senna was cultivated in Italy, but it was not of much value, and had apparently ceased to be used when Lemery wrote. He enumerates three kinds then in vogue, of which senné de Levant (or de Seyde—that is to say, Saida, or Sidon) was most esteemed. Senné d'Alexandrie ou Tripoli he considered informe to this beine, "trad under the desired and the said of the sai inferior to this, being "verd, rude, peu odorant," and having less of "teinture" and "qualité." Poorest of all was senné de Moca. In England at this time, and for long afterwards, virtually the only kind in use, if we may judge from the Dispensatories, was what was known as Alexandrian. There is an apparent discrepancy between Lemery and Flückiger and Hanbury with regard to one interesting point. The former calls senné de Seyde "senné de la Palte," because it paid to the "Grand Seigneur" a tribute which the Turks call Palte, but in "Pharmacographia" this name is given to Alexandrian senna for the same reason. In "Pharmacographia," by the way, senna is said to have been first mentioned by the elder Serapion, "who flourished in the ninth or tenth century," which is an obvious mistake, as the elder Serapion's date is about 200 B.C. Wootton, more correctly, attributes the introduction of senna to the elder Mesue, who lived from 776 to 855 A.D.



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# Editorial Articles.

British Overseas Trade.

Taken as a whole, there is no reason to be dissatisfied with our foreign trade last month as it is revealed by the Board of Trade Returns. For the first time since the war began the imports have reached the remarkable figure of 65,269,000%, being an increase of 3,215,163%, or 5.18 per cent., over February 1914. Much of this increase is largely due to the enhanced price of foodstuffs—e.g., of wheat alone the imports for the month were 800,000 cwt. less than in February 1914, but the actual cost was over one million sterling more. Raw materials are coming in freely, the imports for the month being 24,318,000%, or only 230,000%, less than last year. Raw-cotton values declined by 408,000%, but the weight was over 831,000 centals more,

which is very satisfactory. Wool was up by 1,088,000l., and the imports of oilseeds, nuts, oils, fats, and gums improved by 746,000l. to a total of 3,853,000l. for the month. Nuts and kernels (chiefly palm) improved by 28,417 tons, or 588,000l. Most of this is new business that went to Germany previous to the war. beans were 12,940 tons (100,305l.) more, and in petroleum there was an increase of 8,557,500 gals., but the price paid was a good deal less than in February 1914. Manufactured articles fell in value by 3,582,000%, which is spread throughout the schedule. Imports of chemicals and allied goods increased in value by 352,000%, the total being 1,383,000l. Borax, potassium salts, and indigo account for the bulk of the increase. The rise in the value of natural indigo is extraordinary, the increase being 6,615 cwt., or 378,517l. Other notable increases were borax, 27,205 cwt.; brimstone, 14,138 cwt.; and potassium salts, 22,602 cwt. The principal decreases among chemicals included bleaching-materials, 13,433 ewt.; calcium carbide, 37,668 cwt.; glycerin, 8,750 cwt.; soda compounds, 17,394 cwt.; aniline and naphthalene dyestuffs, 22,515 cwt.; synthetic indigo, 2,283 cwt.; and painters' colours and pigments, 161,154 cwt. Quinine imports (178,700 oz.) were also less by 32,000 oz. (1,237l.). Quicksilver imports fell by 321,884 lb. to 473,201 lb.

The exports of British goods fell during the month by 15,084,860l., the decline from February 1914, when 41,261,797l. was the value of the exports, being 36.55 per cent., or a total of 26,176,9371. Three-fourths of this decline (12,475,124l.) was in manufactured articles, while raw materials were 2,104,670l. and food-products 503,451l. less. Our shipments of coal decreased 2,190,000 tons, the reduction in value being 1,507,000%. Cotton fabrics declined by 4,582,000l., woollen ditto by 1,364,000l., and other big decreases were 1,609,000l. in iron and steel goods and 1,748,000l. in machinery. It has to be constantly kept in mind that the figures for goods exported include goods bought in the United Kingdom by, or on behalf of, the Governments of the Allies, but do not include goods taken from British Government storcs and depôts, or goods bought by his Majesty's Government and shipped on Government vessels. These goods must be valued at many millions. We note that, compared with other staples, the products of the chemical-industry are doing remarkably well, the February decline in exports. compared with February 1914, being only 137,000%. on a total of 1,609,000l. This is a great improvement on the January figures, when the decline in this section was 393,000l. Wholesale druggists are to be congratulated on the drug and medicine exports, which were practically 49.000l. more than in February 1914, and this at a time when the business is hemmed in by official restrictions and freight difficulties. The figures are as follows:

 1913
 1914
 1915

 £
 £
 £

 £
 £
 £

 £
 232.303

 Jan.-Feb.
 ...
 391,036
 408,563
 451,178

Makers of soda compounds continue to benefit by the cutting-off of Belgian and German competition, shipments increasing by 154,336 cwt., or 35,191/.; soda-ash (alkali) and soda erystals show the biggest increases. There was a considerable decline in saltcake—from 40,206 cwt. to 7,356 cwt. Chemical manures (chiefly ammonium sulphate and superphosphates) were up by 8,000 tons, or 58,257l., and there was an improvement of 38,000l. in unenumerated chemicals. On the other hand, bleaching-powder fell by 14,917 cwt., copper sulphate (a season trade) by 4,346 tons, glycerin by 12,052 cwt., ammonium muriate by 2,315 cwt., sulphuric acid by 362 cwt., and tartaric acid by 344 cwt. Lastly, there was a falling-off by 66,016 cwt. or 88,516l., in painters' colours and materials.

Index Folio 358

For a Merchant Shippers' Issue of The Chemist and Druggist, published at the end of seven months of the European war, we could have no more hopeful message for the trade in all departments than these figures, proving as they do the confidence of the world in the United Kingdom. We supplement them with the figures for imports and exports since the middle of 1914, the minus and plus signs showing how the lower or higher differences compared with the months in the preceding year:

		Imports.	Brush Exports.
1914		£	£
June		- 37,000	- 2,964,000
July		-2,400,000	-2,759,000
August		-13,614000	-19.899,000
September		-16,374,000	-15,751,000
October		-20,171,000	-18,021,000
November		-12,480,000	-20,155,000
December		-3,560,000	- 17,048,000
1915			
January	:		-19,558,000
February		+ 3,215,000	-15,084,000

The merchant-shipping trade is magnificent. A certain part of the English Channel is at present known to seafaring folk as the Piccadilly Circus of the Ocean, because it is so crowded with craft of all kinds coming and going. The Secretary of the Admiralty reports as follows as regards oversea steamers (above 300 tons) of all nationalities which have been at United Kingdom ports since the German threats, excluding vessels used by the Admiralty for naval and military purposes:

Week		Arrivals	Sailings
Jan. 21 to Jan. 27	 	823	680
Jan. 28 to Feb. 3	 •••	677	743
Feb. 4 to Feb. 10	 	754	664
Feb. 11 to Feb. 17	 	752	686
Feb. 18 to Feb. 24	 	708	673
Feb. 25 to March 3	 •••	805	669

Far be it from us to indulge in vainglory: our purpose in giving these figures is to show that the confidence in British business which we expressed last week is justified; and when we urge all concerned to continue doing their best to keep the mill going and the flag flying, we point to these increasing imports as the quid pro quo of overseas business which the world relies upon us more than ever to do.

## War Wants Exchange.

DURING the past six months available stocks in this country of certain synthetic remedies and other pharmaceutical articles, chiefly of German origin, have been steadily diminishing, especially stocks held by the agents and by wholesale houses. As a result we have been frequently appealed to by leading firms of dispensing chemists throughout the country to assist them in obtaining supplies, and we have done so as far as we have been able. There appears to be a very general desire to employ our Exchange Column as a means of interchange or disposal of such commodities. Up to the present we have rather discouraged such use-on the one hand, because the commodities referred to are usually of small bulk and "want" advertisements for them may incite to pilfering; on the other hand, such opportunities for cheap advertisement are apt to be abused. We have now, after careful and full consideration, devised a scheme which we believe will meet the wants of dispensing chemists as far as publicity can do so-viz., by instituting a War Wants Exchange. This will be distinct from the Exchange Column, but the "wants" will be advertised in our Coloured Supplement in such a way as to ensure as far as possible legitimate inquiries and bona-fide exchange and sales; in short, we shall endeavour to do for pharmacy

what the Imperial College of Science is doing for professional chemists-that is to say, put into communication with each other those who want and those who can spare some of any article which is no longer obtainable through ordinary wholesale channels. A register of all inquiries addressed to us will be kept. The charge will be a minimum of one shilling, which will include a registration and advertising six items (or words, whichever is the longer) inquired for in a special section of our Coloured The items will be arranged alphabetically, Supplement. with a registration number. Subscribers who can oblige the inquirers with any of the articles wanted should inform us of the fact, when we will put them into communication with the inquirers. In the case of dispensing chemists and other principals in business who have synthetics and other pharmaceutical articles to dispose of on account of lack of demand in their districts, similar announcements will be inserted in the section on the same conditions and terms. These announcements, and all correspondence arising from them, will be dealt with by our Information Department in association with the Publisher. We reserve the right of controlling publication of all inquiries, with a view to preventing abuse or misuse of the service, which is primarily for the benefit of subscribers, and not an advertising scheme in the ordinary sense of the term,

# Good Faith or Bad?

The PRESIDENT reported to the Committee the correspondence he had had with the Privy Council respecting the alleged neglect of the Society to formulate by-laws in accordance with Section 4 (13) of the Poisons and Pharmacy Act, 1908. A letter from the Privy Council expressing regret at the attitude taken up by the Society was read, and the Committee recommends that the President be anthorised to draw up a reply stating fully the reasons which have all along actuated the Council of the Society.

THE above is an extract from our report of the meeting of the Council of the Pharmaceutical Society of Great Britain last week. It is remarkable with what persistence the Privy Council officers pursue this matter, in apparent ignorance of the origin and development of the subject, and in utter disregard of the principle of qualification embodied in the Pharmacy Act, 1868, and the by-laws made thereunder which have been approved by the Privy Council from time to time during the past half-century. We therefore recall the facts. In the first place, when the late Mr. Joseph Chamberlain was Secretary to the Colonies he conveyed to the Pharmaceutical Society a series of resolutions arrived at by Australian Boards of Pharmacy to the effect that there should be reciprocity between such Boards and the Pharmaceutical Society of Great Britain. The Council of the Society welcomed the proposals thus made, but informed Mr. Chamberlain that under the Pharmacy Acts, 1852 and 1868, the Society had not the power to put the proposals into force, and asked Government assistance in getting fresh Parliamentary powers to enable them so to do at the earliest opportunity. Accordingly, when the Poisons and Pharmacy Bill was introduced into the House of Lords on February 17, 1908, by the Earl of Crewe, then President of the Privy Council, it contained a clause extending the power of the Pharmaceutical Society to make by-laws requiring: (a) Sufficient preliminary practical training of candidates for examination; (b) the acceptance of Colonial diplomas in lieu of the Minor and Major examinations; and (c) division of the qualifying examination. This Bill was referred to a Joint Committee of both Houses of Parliament, and again came before the House of Lords on July 14, 1908, when

the Earl of Crewe moved to amend sub-section (b) of Clause 4 by adding after the word "diploma" the words "or of qualified military dispensers." He explained that that was a small amendment inserted at the desire of the War Office, and he had no doubt that their Lordships would agree with it, which they did. Accordingly the clause as passed by the House of Lords read as follows, the words in italics being those introduced on the motion of his Lordship:

4. The power of making byelaws conferred by section two of the Pharmacy Act, 1852, on the Council of the Pharmaceutical Society shall be deemed to include the power of making byelaws for all or any of the following purposes (that is to say):

(a) Requiring persons desirous of presenting themselves for examination by the said society to produce evidence satisfactory to the council of the society that they have received a sufficient preliminary practical training in the subjects of the examination;

(b) Providing for the registration, upon payment of the prescribed fee, as pharmaceutical chemists or chemists and druggists under the Pharmacy Acts, 1852 and 1868, without examination, of any persons holding colonial diplomas or of qualified military dispensers who produce evidence satisfactory to the council of the society that they are persons of sufficient skill and knowledge to be so registered;

(c) Providing for periods of time and courses of study in connection with the qualifying examination, and dividing such examination into two parts.

The clause was not further amended until December 17, 1908, when, the Bill having passed through all stages in the House of Commons to the report stage, Sir William Collins moved to insert after "dispensers" in the abovequoted clause the words "or certified assistants to apothecaries under the Apothecaries Act, 1815." Mr. Herbert Samuel, who had charge of the Bill in the House of Commons, stated that he had no objection to this amendment and had pleasure in accepting it, and the Bill, as amended in this and another particular, was read a third time. When the Bill again came before the House of Lords, on December 18, the Earl of Crewe said in regard to Sir William Collins' amendment: "This is simply to increase to some extent the discretion of the Pharmaceutical Society as to the person recognised under their by-laws." Accordingly sub-section (b) of the clause was enacted as follows:

(b) Providing for the registration, upon payment of the prescribed fcc, as pharmaceutical chemists or chemists and druggists under the Pharmacy Acts, 1852 and 1868, without examination, of any persons holding colonial diplomas or of qualified military dispensers or certified assistants to apothecaries under the Apothecaries Act, 1815, who produce evidence satisfactory to the council of the society that they are persons of sufficient skill and knowledge to be so registered.

In due course the Council of the Pharmaceutical Society drafted the necessary by-laws to give effect to the principle of reciprocity which they set out to do at the request of the late Mr. Joseph Chamberlain. These by-laws were duly passed by the Society as a whole in accordance with the statutory conditions, and were approved by the Privy Council. They are as follows:

24. The Council may, by resolution at any ordinary meeting, enter into reciprocal agreements with Colonial Pharmaceutical Authorities, empowered under Statute, to grant Certificates of competent skill and knowledge to practise pharmacy in any British Colony; and may make, amend or determine thereunder regulations for the admission to the Register of Chemists and Druggists of Great Britain, without examination, of persons who after approved courses of study and examination have become registered in any British Colony, as entitled to carry on the business of a Chemist and Druggist in that Colony; provided that no person shall be registered under this Bye-Law who fails to produce satisfactory evidence of having undergone an approved course of study, and of having passed the qualifying examination of the Colony in which he is registered.

25. Persons holding Colonial Certificates of qualification and being desirous of becoming registered without Examination, as Chemists and Druggists in accordance with the last preceding Bye-Law, shall submit to the Registrar such evidence as may be required by the Regulations, made from time to time by the Council in that behalf, and shall pay to the Registrar a fee of Twelve Guineas, whereupon, if the Council shall so see fit, they shall be registered.

We submit that these by-laws amply fulfil what the Pharmaceutical Council started to do at the request of the Australian and Home Governments—namely, provide: for the registration in this country of practising pharmacists who are registered as such in the Australian Commonwealth. The fact that military dispensers and apothecaries' assistants are not capable of registration under the by-laws is a condition inherent to them. They have neither the training nor the qualification required by the 1868 Act, nor has any effort been made during the past ten years to alter the qualification of these individuals so as to bring them within the purview of Section 4. Their position is not unlike thatof hangers-on to a balloon which they grasped after it had started, and now that their position is seen to be unnatural they are getting the Privy Council to come to their rescue. In our opinion the Pharmaceutical Council is under no legal or moral obligation to change the by-laws as above quoted. They were not parties to the amendment of Section 4 as originally drafted by them and approved by the Privy Council, nor do we think that that Council had anything more to do with the amendments. We submit, therefore, that the Privy Council cannot persist in its present course without dishonourable breach of faith. Australian pharmacists would be the first, we feel sure, to object to their legitimate effort to improving pharmaceutical relations within the British Empire being made a means of degrading the standard of qualification in the Mother Country, as it would be by admitting to registration the persons for whom the Privy Council are at present acting.

#### The Departmental Drugs Inquiry.

THE inquiry which the Insurance Commissioners have now set agoing is (to put the matter very pointedly) to find out how 2s. per insured person will pay the drugbills. It is not at all likely that the Committee will consider the question whether the money provided is enough or not; that is regarded as settled. The Committee has to ascertain how the Drug Tariff came intoexistence; upon what principles it was constructed; and how to adapt it so that dispensing chemists may be paid on a fair commercial basis for their services. Weexpect that the Committee will have no difficulty in arriving at fair and equitable prices for the materials supplied by dispensing chemists, but remuneration for the time employed in dispensing is quite a different matter. The dispensing-fees were originally adjusted according to an analytical inquiry into the dispensing of a large number of prescriptions for all forms of medicaments and the frequency with which these occurred in a day's work. Insurance Act practice and experience do not necessarily accord with the conditions. prevailing during the pre-Insurance period, but there are several experts on the Committee who, we anticipate, will see that chemists get a fair show. Now is the timefor chemists to submit facts to the Departmental Committee, but we think it right to say that any suggestions which would necessitate expenditure of more money than is provided by the principal Act, or transferring from the Panel Fund any part of it to the Drug Fund, would be outside the scope of the inquiry

#### British Chemicals and Dyes.

WE quote under "War News" some remarks by Professor Otto N. Witt on the new scheme. Many in this country are equally critical, but we need only mention that Sir William Ramsay, K.C.B., and the Right Hon. Sir Henry E. Roscoe contributed to "The Times" of March 10 their views on the matter. Sir William Ramsay says the venture is foredoomed to failure-first, because it is not under the management of chemists, and, second, because no protection from foreign competition will save the situation. In a letter Sir William advocates that the importation of all German dyes should be absolutely prohibited. Sir Henry E. Roscoe says that it is novelties that pay in all industries, and in none is this so evident as in those dependent on fashion, and he proceeds to say that in the colour-industry it is the research chemist, and he alone, who can keep the flag flying. Capital cannot do it, business capacity cannot do it, but the brains, the imagination, the skill, and the knowledge of the research chemist can. We heard the other day a remark by one of the best-known aniline-dye manufacturers, to the effect that he did not know where he could find a British chemist who combines the business ability, chemical knowledge, and technical experience that would entitle him to a seat on the board of the new So the Witts grin and the factories go on making more dyes; in fact, if we continue the disputation much longer the Government may gracefully retire, and the dyers will get along without them or the Germans. A manufacturing pharmaceutical chemist who is opposed to German chemicals, and who has commercial and technical experience, has written to us on the subject this week, and we cannot refrain from quoting the following portion of his letter:

A tremendous lot has been written by University professors and others on the subject of co-operation between University professors and manufacturers. A well-known professor has gained glory by intimating that, with the assistance of his staff, a supply of 56 lb. of phenacetin has been forwarded to some of the Naval authorities, in addition to a pound of cucaine. Naturally, employers of labour may perhaps feel a little sick at this competition, and a hint that they are ready to take on a few professor-trained young organic chemists might be opportune, as the country cannot rely on the professors all the time, although perhaps they did work seven days a week for a few months to get together the 56 lb. of phenacetin. May I commend to your attention the words of Sir William Ramsay? I would say to every editor of every paper in this country: "Hammer away in every issue on the subject of British goods for the British Empire." I am convinced that after the war the old German dumping will continue just as in the past, or even more so. The amount of German dumping even at the present moment (viâ U.S.A.) is disgusting.

Audi alteram partem. This war will need to be a long one if the writer's aspirations are to be fulfilled. This is not the first occasion that we have had objections to the Imperial College of Science's little effort, but we presume that the College is not to compete with British manufacturers. It has no right to.

#### The Medical and Dental Registers.

The "Medical Register" for 1915, which has been published this week (Constable & Co., Ltd., 10 Orange Street, Leicester Square, London, W.C., 10s. 6d.), is a little later this year in making its appearance, but that is hardly a matter of comment in these strenuous times. The new form of the Register was adopted last year, and has proved to be very convenient. The number of pages has been increased slightly. A new feature is the "warning notice," which occupies pp. ix and x. This

summarises the resolutions and decisions of the Council upon forms of professional misconduct. The headings are: (1) Certificates, Notifications, Reports, etc.; (2) Unqualified Assistants and Covering; (3) Sale of Poisons; (4) Association with Unqualified Persons; and (5) Advertising and Canvassing. The paragraphs referring to the sale of poisons are as follows:

The employment, for his own profit and under cover of his own qualification, by any registered practitioner who keeps a medical hall, open shop, or other place in which scheduled poisons or preparations containing scheduled poisons are sold to the public, of assistants who are left in charge, but are not legally qualified to sell scheduled poisons to the public, is, in the opinion of the Council, a practice professionally discreditable and fraught with danger to the public, and any registered practitioner who is proved to have so offended will be liable to have his name erased from the Register.

The total number of persons on the Register on December 31, 1914, was 42,378, which is above the number last year (41,940), and higher than the average for the last five years (41,431). A similar "warning notice" has been inserted in the "Dentists Register" for 1915 (published at 3s. 4d.). The total number of dentists on the Register is 5,426, against 5,275 for 1914. The number of persons registered in 1878 on their own declaration as having been in bonâ-fide practice of dentistry at that time is 1,569, against 1,639 last year. Both these Registers are issued under the authority of the General Medical Council, and are hence trustworthy guides from which to answer inquiries of chemists' customers as to the qualifications of medical men and dentists.

Duty-free Alcohol.

WE observe that "Nature" published on March 4 an article on "Duty-free Alcohol for Scientific Purposes," following up the recent criticism by Sir William Ramsay and Professor Hickson regarding their inability as research chemists to obtain authority from the Revenue Department for the purchase of alcohol free from duty for use in their private laboratories. The article deals with apparent inconsistencies in the taxation of alcohol and alcoholic products, but the criticisms are based upon incomplete knowledge of the law of the subject, and some disregard of the fact that the apparent stringency of the Revenue authorities is due to the eircumstance that they are charged by the State to collect a very considerable proportion of national taxation obtained through spirit duties. In a recent note that we received from Sir William Ramsay he suggested that inquiry on the part of the Revenue authorities as to the use to be made of the alcohol and the reputation of the person or firm requiring its use would afford them a sufficient protection from its being used as potable spirit. In this connection we call attention to the Chancellor of the Exchequer's statement in the House of Commons on Wednesday to the effect that the Revenue authorities are at present reconsidering the whole matter. This arose from a question by Mr. Bridgeman in regard to the use of duty-free spirit for making tinctures in hospitals, a subject which was fully considered by the Departmental Committee which dealt with the subject ten years ago. At that time it was shown that the tendency in all countries, even in Germany, is to restrict the use of duty-free spirits, and since then permission to use duty-free alcohol in making tinctures and other pharmaceutical preparations has been abolished in Germany. As in all Revenue matters, precedent and the results of prior inquiries have a controlling effect upon the situation, and these must not be

# Belgian Prescriptions.

In view of the fact that many pharmacists in this country occasionally receive prescriptions from Belgian citizens resident here, these observations by Mr. V. Renneboog are of special

Although Belgian prescriptions are not very different from English, there are several difficulties in reading and dispensing them. It would, I thought, be of interest at the present time to my English confreres if I were to mention some of these peculiarities. Let us take three typical examples:

Rp.: Iod. kal. ... ... Tinct. digit. ... 30 g. Syr. menth. Aq. still. ... ... 150 g. M. f. pot. ad us. int. D.s.: 3 cuill. à s. p. jour. 

Une poudre toutes les 2 heures. Pro pil. una. D. t. no. xxx. 4 p. j.

The transcripts of these prescriptions in full are as follows:

... 3 grammata ... 2 gram. ... 30 gram. ... 150 gram. Recipe: Iodureti kalii [Potass. iod.]
Tincture digitalis ... ... Syrupi menthe ... Aquæ stillatæ ...

Misec, fiat potio ad usum internum.

Detur signum: 3 cuillerées à soupe par jour.

Prenez: Take: Dover's powder, 3 gm. Poudre de Dower ... 3 gram. Divide into 12 packets. Divisez en xii, paquets.
Uno poudre toutes les 2 heures.

Divisez en xii, paquets.

Oue powder every 2 hours.

... 1 milligram.
... 5 centigr.
... 5 centigr. ... quantum satis Pro pilula una. Dentur tales No. XX.

These examples show the following features:

(1) That Belgian prescriptions are written in Latin or French or a mixture of both languages.

(2) That every prescription starts with R. or Rp. or P. (Recipe or Prenez), and in consequence the nouns of the

medicines that follow are in the genitive.

(3) The metric system is always used, and the English

chemist should be careful not to mistake grains for grams.

(4) In mixtures, ointments, and mixed powders the full amount of the ingredients is always indicated: the Belgian cloctor never prescribes by doses nor adds "mitte tales." In the case of pills, powders, and suppositories, however, the amount may sometimes be written by doses. In the first case the doctor will complete the prescription and write: "Misce, fiat potio," "fiat unguentum," or "fiat pulvis." When he requires pills or powders to be made from the full quantity ordered he will write: "Divide in doses æquales No.—" In the second case only he will state: "Dentur tales doses," or "pilulæ," or "suppositoria No.—" He never writes "mitte tales," like English doctors, and therefore the signs "D. t." and "D. in" are not to be confounded. founded.

The following signs are commonly found in Belgian prescriptions, and although these are mostly well known,

I repeat them here: Ut fi. = ut fiat. Fiat inde or ut fiant inde. Faites pil. semblables (mitte tales pilulæ). M. f. ungt. = misce fiat unguentum. Us. ext. = usum externum. Us. int. = usum internum. C.a.c. = cuillerée à café (teaspoonful), C.a.d. = cuillerée à dessert (dessertspoonful). C.a.s. = cuillerée à soupe (tablespoonful).
P.i. or pr. die = par jour (daily)
Tes les 2 h. = toutes les 2 heures (every two hours).
D'h. en h. = d'heure en heure (every hour). Avant les repas (before meals). Après les repas (after meals).  $L^s = dans$  (in).  $P^r = pour$  (for).

A renouveler (to be renewed), Onguent, unguentum (cintment)

in caps. amyl. = in capsules amyli (cachets).

Par gouttes (by drops). Gues = gouttes (drops; not to be confounded with grs., grams).

Un compte-gouttes (a small glass tube to count the drops). Un flacon compte-gouttes (a bottle with a drop-counting stopper).

Mars, martis = ferrum (iron).

Saturne (lead). Humbergi = opii.

Mechoachon=jalap. Dower poudre=pulvis ipecae. cum opio (Dover's powder). Muriatic (chloride).

Collyre, collutoire, gargarisme, injectio are ordered in practically the same way as in England.

In dispensing Belgian prescriptions the following rules should be borne in mind:

(1) All the ingredients are weighed, even the liquids. The Belgian doctor and pharmacist know by experience what volume is equal to each gram of the liquid.

(2) Distilled water is always to be employed.

(3) Pills are generally made up with extract, gentian, and

pulv. glycyrrhizæ.

(4) Liquids for internal use are put into white-glass bottles (4) Eigens for internal use are put into white-glass bottles with white labels; but preparations for external use are dispensed in octagonal amber-coloured bottles with red labels. Red labels are used for poisons, "a skull and crossbones" and the word "Poison" being commonly employed. (5) When infusions or decoctions are prescribed the dispenser takes the equivalent quantity of a "liquid extract" of the drug and makes up the proper volume with cold distilled water to obtain the infusion. Digitalis is, however, are exception.

an exception.

(6) The original prescription is always kept by the pharmacist, a copy being supplied if required by the customer. This matter, however, frequently causes trouble with foreign patients, and in these cases an exception is often wards. made

(7) If a prescription contains poisonous drugs it may not be renewed without the doctor's permission. The doctor in this case writes: "A renouveler" (to be renewed), or "Cette ordonnance peut être renouvelée." (to be renewed), or "Cette (3) The Belgian vicanian en control or control or

(8) The Belgian pharmacist, being responsible for correcting errors in doses, is not allowed to dispense a larger dose of a poison than the maximum one unless the physician underlines the dose or marks the dose by the sign (!) or (!!).

# Dutch Pharmacopœia.

 ${
m R}^{
m EFERENCE}$  has been made in The Chemist and Druggist to the draft Second Supplement to the Dutch Pharmacopæia, and many of the new formulæ were printed in the Summer Issue, 1914. The work itself is to come into force on April 1. In the interval since the publication of the draft Supplement many criticisms have been received, and the adoption of some of these has much improved the Supplement now finally adopted. The difficult question of the use of registered trade-marks in a Pharmacopæia has been settled by indicating with an asterisk those which were registered in Holland at the time of the publication of the Supplement. Thyroid gland is a new introduction; the iodine-content is fixed at 0.4 per cent. (it was 0.5 per cent. in the draft), and the temperature for drying the powdered glands has been fixed at 45° C., although it would seem that the maximum temperature of 30° C. mentioned in the draft was better from the point of view of yielding the greatest proportion of the soluble iodine in the product. Experiments have shown that at 45° C. 70 per cent. of the iodine becomes insoluble. Peppermint-water is to be made by shaking the oil with warm water in place of distillation. The process that has been adopted for preparing liquid extract of cinchona is as follows:

> Powdered cinchona-bark Moisten with-Dilute hydrochlorie acid ... 10 parts Glycerin ... 20 parts Water ... 300 parts Dilute hydrochloric acid ...

and allow to remain for twenty-four hours. Then pack in a percolator, and exhaust with water until all the alkaloid has passed into the percolate. The percolate is evaporated to 90 parts, and after cooling 10 parts of alcohol is added. The above process differs from that at first proposed, but the percolate is evaporated.

but the new method has been tried on a large scale with

satisfactory results. Among the other requirements of the new Supplement are the following: Aq. feniculi must be shaken and filtered before it is dispensed. The ash-limit of asafetida is 15 per cent., and of senna-leaves from 6 to 12 per cent.; these are in both cases higher than previously fixed. Methyl orange is the indicator to be employed in the determination of cinchona alkaloids. The total solids of ext. hydrastis liq. are placed at between 17 and 22 per cent., and the hydrastinine-content at 2 per cent. Purified cotton-wool may contain 0.4 per cent. of fatty matter; it was 0.2 per cent. previously. The dextrin test for honey has been improved, and Fiche's test for artificial honey introduced. The castor-oil iodine-value is 82 to 88, and that of sesame oil 106 to 114. Opium, dried by quicklime, must contain from 9.8 to 10.2 per cent. of morphine. Altogether the work marks a distinct advance in official pharmacy.

In connection with the work which is being undertaken in preparation for the fifth edition of the Dutch Pharmacopæia, the Committee of Revision has sent out to experts a list of questions with a view of settling various difficult points. These questions are:

(1) Is it desirable to change the Latin nomenclature in the Pharmacopæia? If so, what is your reason for desiring the change?

(2) Should the use of synonyms bo limited or extended? (3) Do you think it desirable to maintain the alphabetical order of the articles?

(4) With regard to the extent of the Pharmacopæia, one view is that the number of articles should be reduced to a minimum, only those medicaments being mentioned that are in general use. The other view is that it is desirable to mention all medicaments of more recent date. The Committee would like to know your opinion about this question.

(5) Do you agree with the way in which the monographs have been drawn up in the Pharmaeopoia, or would you prefer some other method? If you desire some way of describing the drugs, this should be explained, giving an example of (a) chemical substances, (b) inedicinal drugs, and (c) galenical preparations

(6) Which articles should be omitted from the Pharma-poia? A list is enclosed mentioning 694 articles which the Committee propose to mention in the new Pharmacopæia, and advice is asked as to which of these articles pharmacists and certain physicians should be obliged to stock.

(7) Which new articles do you wish to be mentioned in the new Pharmacopæia?

the new Pharmaeopœia?

(8) What other alterations do you wish to be introduced in the Pharmacopæia and for which reason?

# United States Trade.

N the recent British reply to the American Note on contra-band trade. Six Edward Conband trade, Sir Edward Grey was able to show convincingly that the naval operations of Great Britain had not caused any diminution in the volume of American exports. In fact, a circular issued by the Department of Commerce at Washington on January 23 admits a marked improvement in the foreign trade of the United States, and Sir Edward was able to quote the actual figures month by month, showing the extent of the improvement down to December last, when the exports were valued at \$246,000,000 compared with \$233,000, 0 in December 1913, and within \$4,000,000 of the high "record" established in December 1912. This week the January figures relating to U.S.A. foreign trade have been issued, and they show that that country continues to benefit considerably by the war, her total shipments of produce and merchandise having risen from \$204,065,000 in January 1914 to \$267,875,000 in the first month of the current year. Of the total exports, Europe absorbed \$201,825,000 worth against \$140,320,000 in the corresponding period. Exports to Great Britain increased from \$60,110,000 to \$99,755,000, and those to France from \$11,515,000 to \$34,335.000, whereas shipments to Germany declined from \$34,385,000 to \$6,345,000. For the seven months ended January American exports amounted to \$1,334,660,000, compared with \$1,521,803,000 in the same period a year ago. Imports for the same period were respectively \$930,732,000 and \$1,067,752,000. In a

summary of the foreign trade of the United States for the twelve months ended December 1914, we note that the exports of chemicals, drugs, dves and medicines reached \$28,937,000, against \$26,787,000 for 1915. The chief gains were in crude sulphur, mineral acids, copper sulphate, and tanning-barks; the biggest declines included proprietary medicines, acctate of lime, ginseng, and wood alcohol. Turpentine fell from twenty million to eleven million gallons. As regards the year's imports there is a decrease of almost twenty-four million dollars in the chemical figures, which are \$87,676,000 against \$101,293,000. We give below a few of the more interesting imports and exports, comparing the figures with 1913:

913 1914				
02,000 6,920,00	lb. (free)	 	carbolic	Acid.
23,000 8,165,00	b. (dut.)		oxalic	
83,000 \$242,00	(free)		all other	
34,000 \$1,147,00	(dut.)		; ;	
18,000 4,249,00	lb. (free)		rine and al	
88,000 4,079,00	lb. (free)		nie	
06,000 3,945,00	lb. (free)		iona	
70,500 2,968.00	oz. (free)		ne	
05,000 34,540,00	b (dut.)		hing-powe	
3,530.00	b. (dut.)		l oil	
270,000 24,787,00	b. (dut.)		erin, crude	
50,000 3,488.00	lb. (free)		ohor, crud	
43,500 1,054,00	b. (dut.)		, syn.	
345,000 7,927,00	lb. (free)		o, nat, an	
240,000 463,00	lb. (free)		ie, crude	
368,000 241,166,00	lb. (free)		resia, calc.	
370.00	b, (dut.)		m	
137,000 15,891,00				
\$735,00				
	lb. (free) (dut.)	 	sh carb. cinal prep	Pota:

		Exports		
			1913	1914
Alcohol, wood	 	(gals.)	1.951.000	1,161,000
Sulphuric acid	 	(lb,)	9,689,000	13,176,000
Copper sulphate	 	(lb.)	4.169,000	7,387,000
Lime acetate	 	(lb,)	74,055,000	47,897,000
Medicines, patent	 	(8)	6,966,000	6,521,000
Roots, herbs, barks, et		(\$)	476,000	410,000
Chemicals, miscellaneo		(8)	8,766,000	11,287.000
Peppermint oil	 	(lb,)	112,400	119,000
All other ess, oils	 	(\$)	254,000	229,000
Perfumery, etc.	 	(8)	1,575,000	1,514,000
Mercury	 	(lb.)	825,500	108,500
Toilet-soaps	 	(\$)	2,185,000	1,801,000

In a pamphlet by Martin I. Wilbert, of the Hygienic Laboratory, United States Public Health Service, further figures are given regarding the imports of crude drugs and medicinal chemicals into the United States during the years 1910 to 1913. They are as follows:

_	1909	1910	1911	1912	1913
	11.	lb.	lb.	lb.	lb.
	lb.	944,007	980,205	666,229	909,279
Aloes	671,257	95,536	114,686	138.066	134,579
Asafetida	42,335	50,363	37.910	47,862	48,996
Balsam of Peru	25,843		98,366	94,733	105,967
Benzoin	69,146	55.634 130.644	106,345	181.121	105.310
Buchu	7 500 705		4.136,354	2,935.350	3.329.973
Cincliona	3,502,385	3,305,894	191.154	159.172	206,447
Copaiba	234,257	208,566	129.014	111.357	166,307
Cubebs	87.050	104.713		1,585,612	1,796,928
Gentian	1,485.389	1,177,433	1,537.919 27,654	41.627	54,648
lpecaeuanha	35,166	36,261		119.211	277,275
Jalap	66.096	199,905	230.679	2.427.187	2,306,735
Nux vomica	1,666,957	2,738,662	4,330,402	452.917	301.308
Sarsaparilla	570,124	560,858	379,091	3,164,003	2,634,117
Senna	2,159,553	2,564.452	3,063,275	3,164,003	2,037,111
Acid:		704.050	FAR 079	470.004	863,015
Benzoic	491,739	364,650	502,878	470,004	362,400
Boracie	230,968	416.842	343.094	276,496	8.345.631
Carbolic	4,729,552	4,507,693	4,371,014	5,686,704	8,677
Citrie	243,010	142,001	97,847	67.332 28.769	31.844
Salicylic	1,988	64,531	32,876	105,311	78.942
Tartarie	124.774	104,457	331.538		2,015,318
Aniline oil	1,950.620	1,946,805	1.917.202	1,843,443	4,976.108
Aniline salts	6,130,517	5,870,905	5,133.723	4,831.075 43.859	59.773
Caffeine	149,599	60,463	57.025		3.941.170
Camphor	2,421,023	3,519,233	4,218,430	2,404,140	3,941.110
Cinchona bark			7 300 304	7 044 070	3.237.994
alkaloid=(oz)	2,330,304	3,012,196	3,102,194	3.044.238	351.296
lodine	12,961	771,090	210.467	5,903,501	5,526,954
Lime, citrate of	3,917,274	4.114,256	5,219.544	5,905,501	J,J20,JJT
Tartar & cream		00 475 045	00 710 057	07 746 330	20 518 388
of tartar	32,121,394	28,415,045	29.312,257	23,746.330	20,070,000
			1		

It is common knowledge that the population of the United States per capita are the largest consumers of medicines, and Mr. Wilbert estimates that upwards of \$500,000,000 is annually spent in this direction. also be noted that Europe supplies the bulk of the ingredients in these medicines, which are marketed through London, Marseilles, Havre, Genoa, Amsterdam, Rotterdam, and other Continental ports. The supply of these drugs to an American buyer, however, requires expert knowledge, which can only be gained by experience. The European war has demonstrated to what degree the U.S.A. has been dependent on Europe for drugs, but so far as Great Britain is concerned we have since the war began become more or less dependent upon America for supplies of the so-called "synthetics, business which has been in German, French, and Swiss hands. The U.S. stocks of many of these products, like salicylates, benzoic acid, acetanilide, cocaine, phenacetin, phenazone, etc., are now becoming depleted as a consequence of the large exports to this side. These products are selling at inordinately high prices, which have to be paid despite the fact that the United States has an unlimited amount of raw material which is sent to Europe. Almost seventy million dollars' worth of these residuals was shipped from America last year, the bulk of it to be manufactured into phenol, aniline oil, benzol, toluol, and many other products, ultimately returned to the United States at much enhanced values. About seven millions dollars' worth of cssential oils, perfumes, and allied products is annually imported into America, the local manufacture of which is small. In view of the considerable trade to be done from this side it may be of interest to give some particulars of the conditions and regulations governing the entries of drugs, chemicals, pharmaceutical preparations, druggists' sundries, etc., into the United States. In the first place, in order to save time, money, and unneccs-sary trouble, it would be as well for the intending exporter on this side to get into touch with the United States Consul in charge of the local Consular district. Next, it is necessary to be well posted up with regard to the Underwood Tariff of 1913. One of the best books on this subject is published by the Associated Customs Brokers of the Port of New York, 8 to 10 Bridge Street, New York City (8s. 4d.). This is really essential to anyone doing business with the United States market.

#### POINTS FOR TRADERS,

There are a good number of important points to be noted—e.g., all preparations containing alcohol must be so marked, and the type used must be of a definite size, in proportion to the size of type used on the label. Containers must also have printed upon them the net weight of contents. Proprietary preparations come in under the Pure Food and Drugs Act (a Federal law), and must be guaranteed by the agent or agents, who must be residents in the United States. Inter-State laws must be inquired into, as it might be illegal to sell products in one State that might be saleable in another—e.g., some of the States will admit a percentage of sulphurous acid as a preservative in certain beverages, while other States prohibit its use. Also proprietaries containing drugs of a habit-forming nature are difficult to sell, and are strongly discouraged.

Druggists' sundries are subject to an import-duty of 25 per cent. ad val., and specialities along these lines find a ready market. French ivory goods are at present in demand, and there is also a steady sale for casein or caseoid manufactured products. The business done in toilet-articles and perfumery is exceedingly large. Probably no country makes use of so many perfumes or toilet-waters, and there is a good field for essential oils that are absolutely genuine. Owing to want of definite knowledge of the best quality of essential oils on the part of the buyer, it is difficult for a new concern to break into the field, as houses become accustomed to one grade of oils and are afraid to change, even though the change may be to their advantage.

In the drug-market price is often subordinated to quality, and that is what makes this market so difficult, as unfortunately it has been found that a very poor

class of crude drugs is shipped to America, and this is probably one of the reasons why so many difficulties are met at the port of entry, both by the Customs officials and also the consignee, resulting in delay, dissatisfaction, and frequent litigation. The Customs officials have had no apprenticeship to the drug-business, basing their tests upon technicalities, and making the U.S.P. their guide, instead of experience. An amusing case arose the other day, when some copaiba was imported, and refused as not being up to the U.S.P. standard. On investigation it was found that the officials had applied the test for oil of copaiba instead of copaiba.

In quoting prices for this market, it is well to remember that American customers prefer laid-down prices—i.e., prices c.i.f. New York, or whatever the port of entry may be—and these prices should include Consular invoice-fees, insurance, freight, etc. A customer does not want to be bothered with a lot of petty charges above the price he accepts, and it is a good thing to bear this in mind.

Those who contemplate developing an export business would probably do well to get in touch with some of the leading New York houses who know the requirements thoroughly, and whose agency terms are a matter of arrangement. Proprietary medicines put up in capsules, pills, tablets, lozenges, troches, and ampoules are subject to a duty of 25 per cent. All other drugs or chemicals of a similar nature are dutiable at 20 per cent. Medicinal soaps are subject to 20 per cent., while perfumed toilet-soaps are dutiable at 30 per cent.; Castile and unperfumed toilet-soaps 10 per cent. There should be a market for printed labels, etc., and even with the duty British houses could do a good business, as the cost of printing and good paper is very high in the States. Inquiries might be obtained by circular letters with samples of work done and prices quoted c.i.f. New York.

In further reference to the new export invoice regulations requiring the name of the seller, price paid, etc., we understand that it is the invariable custom of some of the large export commission firms in New York to enter upon all indent invoices sent abroad "the names of the person or persons from whom, the place where, the date when, and the prices paid for the goods purchased," and discounts allowed. And as these indent buyers are paid a commission for buying services, all who ask for the original invoices can get them.

# Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

Captain John Wigginton, F.C.S., of the Army Service Corps, sailed this week for the Allies' lines in France.

Mr. J. S. Battle, Ph.C., Lincoln, has been elected President of the Young Men's Christian Association (Lincoln Branch).

ALDERMAN L. MAINPRIZE, Bridlington, has been appointed by the Town Council a representative Governor of the Grammar School.

Mr. W. E. Goff, Ph.C., Chairman of the Dartford Urban Council, has been reappointed a Governor of the local Grammar School.

Mr. J. Nickson, chemist and druggist, Broad Street, and Mr. W. M. Woodhouse, of Woodhouse & Son, chemists and druggists, Bull Ring, Ludlow (Salop), have been reclected Borough Auditors.

MR. G. W. MORRIS, who has been works manager for the past five years for the United Chemists' Association, Ltd., Cheltenham, has joined the staff of Wigglesworth & Co., Roxhill Works, Bolton.

Mr. John Garwood Everett, Ph.C., director of Austins, Ltd., Bermondsey, sailed this week for France. He has been appointed x-ray operator, electrician, and pharmacist to the Emergency Cases Hospital for France.

MR. A. C. DUKE, of the Maybury Pharmacy, Willesden Green, N.W., who underwent an operation a month ago, is making satisfactory progress towards recovery at his home in Chesham Bois, Bucks. He hopes to return to business very shortly.

Mr. H. Helbing, F.C.S., has since his release from the British civil prisoners' camp at Ruhleben been residing in a sanatorium at Wiesbaden. Mrs. and Miss Helbing are residing in Wiesbaden under special permit, Mrs. Helbing's

residing in Wiesbaden under special permit, Mrs. Helbing's health being somewhat indifferent.

Colonel W. F. Wyley, F.C.S., High Sheriff of Warwickshire, marked the termination of his year of office by a state visit to Coventry on March 6. During the course of the visit he visited the wounded soldiers in the Coventry and Warwickshire Hospital and inspected the local special constables.

MR. PERCY J. ASHFIELD, chemist and druggist, Rhyl, directed successful performances of "The Adventure of Lady Ursula" by the Rhyl Dramatic Society on February 26 and 27. Mr. Ashfield appeared in the character of Sir George Sylvester, and considerably enhanced his reputa-tion as an exponent of the histrionic art.

MR. MARTIN DANIELLS, who is known in London for tho active part he took in connection with the social functions of the Chemists' Assistants' Association, has this week taken up the duties of assistant manager of the United Drug Co., Ltd. (Rexall), of Liverpool. Mr. Daniells was connected with the company some time ago, and has now re-entered the service of the company.

The name of Mr. George Peters Forrester, F.C.S., one of the British civil prisoners of war at Ruhleben, near Berlin, is familiar to phar-



macists on three continents as a contributor to pharmaceutical literature and eo-Secretary with the Editor of THE CHEMIST AND DRUGGIST of the International Commission on Variation in the Activity of Toxic Drugs. He was educated at Canterbury up to his fourteenth year, then up to his fourteenth year, then went to Collège Gaillard, Lausanne, thereafter spending two years in a German gymnasium. After his preliminary training in pharmacy he studied at the University of Heidelberg and versity of Heidelberg, and passed the State examination

MR. G. P. FORRESTER, F.C.S. as an apothcker with note 1. He was then appointed chemist to the King of Saxony in the Royal Apotheke, Pilluitz, and while there contributed to the C. & D. a most interesting illustrated account of this Royal pharmacy. Thereafter he came back to England with the intention of qualifying under the Pharmacy Acts, 1852 and 1868, and was for some months with a pharmacist at Loughton. Mr. Forrester is a proficient linguist—French, German, Italian, and Spanish coming as readily to his tongue as Italian, and Spanish coming as readily to his tongue as his native English, and from his mother, an Edinburgh lady, he has a little of the "Dorie." This accomplishment and his scientific attainments secured for him in 1907 a position on the literary staff of E. Merck, Darmstadt, which he held until his internment a few months ago. Postcards received from him (the last written on February 15) indicate that the time drags heavily, as there is little or nothing to read and nothing to do. The new British Pharmacopeia will keep Mr. Forrester going for some time to come. Prisoners are permitted to write only two postcards per week, but mails from England are often very belated and erratic. very belated and erratic.

# New Books.

Any bock published in the United Kingdom can be supplied to our subscribers at the price quoted. Orders, with remittance, should be sent to the Publisher, 42 Cannon Street, London, E.C.

Beddoes, T. P., M.B., etc. Prescribers' Formulary and Index of Pharmacy, Adapted to the 1914 Pharmacopaia. Second edition, 4×23. Pp. xvi+132. 2s. 6d. nct. (Baillière, Tindall & Cox.) [This vest-pocket vade mecum for medical practitioners contains explicit information regarding drugs and chemicals, galenical preparations, regional recording drugs and chemicals, galenical preparations, regional properties and preparations. remedies, gentio-urinary diseases, gynæcological and rectal preparations, drugs for external treatment, synthetic remedies, and treatment of poisoning. The contents are not confined to the B.P., as the author freely refers to proprietary preparations which he has found useful.]

Clubs, 1915. A list of English Clubs throughout the world. 4×6½. Pp. 188. By E. C. Austen Leigh. Price 5s. (Spottiswoode & Co., Ltd.). [This book of reference of the control of the contr

enco is in its twenty-third year, so has well established itself. It gives concise particulars of more than 4,000 clubs, the information being arranged in tabular form-viz., name, address, year of origin, number of members, entrance fee, subscription, secretary, and editorial remarks regarding the nature of the club. It includes a list of clubs frequented by the English in British Colonies and Dependencies, as well as in friendly countries. Enemy countries are no longer included.]

Knox, Robert, M.D., etc. Radiography, X-Ray Therapeutics, and Radium Therapy. 10×6½. Pp. xxii+406, with 245 illustrations. 25s. net. (Adam & Charles Black.) [This sunptuous book is one of the Edinburgh Medical Series of which Dr. John Comrie, F.R.C.P., is the General Editor. The author is one of the Secretaries of the Röntgen Society, Director of the Electrical and Radiotherapeutic Department of the Caneer Hospital, London, and one of the leading British authorities on the subjects dealt with in the book. It consists of two parts. The first is devoted to Radiography, extending to 250 pages, including chapters on Sources of Electric Energy; X-Ray Tubes and their Accessories; Tube Stands, Couches, Compressors, and Screening Stands; The Arrangement of Apparatus; Production of the Radiograph; Stereoscopic Radiography; The Localisation of Foreign Bodies; Radiography of the Normal Bones and Joints; The Development of the Bones; Injuries of Bones and Joints; Diseases of Bones; Diseases of Joints; Differential X-Ray Diagnosis in Diseases of Bones and Joints; The X-Ray Examination of the Urinary Tract; Congenital Malformations. The second part is divided into three chief sections—namely, X-Ray Therapeutics, Radium Therapy, and Radium and X Rays. The Physics of Radium is discussed by Mr. C. E. S. Phillips, F.R.S.E., in the second of these sections. The illustrations are excellent, and include sixty-four full-page plates original to this volume, which appeals to all radiographers, whether medical, surgical, physical, or pharmaceutical.] Radiography, X-Ray Thera-Knox, Robert, M.D., etc. which appeals to all radiographers, whether medical, surgical, physical, or pharmaceutical.]

White, W. Hale, M.D., etc. Materia Medica, Pharmacy, Pharmacology, and Therapeutics. Fourteenth edition. 64×4. Pp. xii+712. 6s. 6d. net. (J. & A. Churchill.) [Dr. Hale White's book is one of the most popular with English medical students, who continue to use it when they are medical practitioners. This fourteenth edition has been rendered necessary a few months after the thirteenth on account of the publication of the British Pharmacopeia, 1914, the changes in which are noted generally in the preface, and are fully carried out in the text of the book. Thus definitions are first given, then information about pharmacy including pharmaceutical processes, weights and pharmacy, including pharmaccutical processes, weights and measures, and the various forms in which medicines are pharmaccutically prepared for administration; after which there is a chapter on pharmacology and therapeutics, including prescribing, the prescription, and pharmacological and therapeutical actions of drugs. This treatise is arranged in divisions, showing the action of processes outside the body, on the blood, cardiac mechanism, vessels, skin, urinary system, bodily heat, respiration, digestive apparatus, muscular and nervous systems, organs of generation, and on metabolism. Following this treatise of ninety-two pages are inorganic, organic vegetable, and organic animal materia medicacach substance and its preparations being considered, the whole in a systematic manner, pharmacy being briefly treated, and the action and uses of each substance more fully. Appendices and a good index conclude the volume.] pharmacy, including pharmaccutical processes, weights and

Business Changes.

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Mr. P. Robinson has taken over the pharmacy at 182 Vicarage Road, Langley, near Birmingham.

MR. E. A. TILLMAN, chemist and druggist, has purchased the business of the late Mr. B. Shakerley, Penzance.

MR. J. Jones, chemist and druggist, for many years in business at 161 New Cross Road, New Cross Gate, S.E., has purchased commodious premises in Llandilo, and will shortly open a pharmacy there. [Corrected note.]

Mr. R. Pfundt, lately a partner in the firm of Messrs. Ziegele, Schneidt & Co., is continuing business at Dunster House, Mineing Lane, London, E.C., under the style of R. Pfundt & Co., general merchants. Mr. Geo. H. Clarke, who has been actively connected with Mr. Pfundt for twenty-two years, has joined him.

# Inventions

# Which have Become Public Property.

[Continued from The CHEMIST AND DRUGGIST, March 6.]

Gujasanol.

Diethylglycocoll guaiacol hydrochloride. Used for tuberculous diarrhea and as a deodoriser.

Trade-Mark: No. 228729, registered in 1900 by the Farbwerke vormals Meister, Lucius & Bruning, Hoechst a/M., Germany. Registration renewed in 1913.

PATENTS: No. 23435 of 1898, "Manufacture of basic phenol ethers," granted to the above-named company. The patent was voided in the ninth year. The United States patent, 624772 (1899), is entitled "Glycocolphenol".

ester and process of making same."

The glycocollphenol esters referred to in the specification of the British patent and diethylglycocoll guaiacol, di-isobutylglycocoll guaiacol, diethylglycocoll-o, -m, and p-cresol, and diethylglycocollphenol and their salts, such as the hydrochloride, hydrobromide, hydriodide, or The example of the method of preparing these picrate. is given as follows

To a solution of 50 parts by weight of guaiacol and 230 parts by weight of monochloracetic acid in 100 parts by weight of pyridine is added, while the mixture is cooled, 65 parts by weight of POCl<sub>3</sub>, and the liquid is heated for about two hours on the water-bath. When cold the product of the reaction is poured into water. The resulting chloracetylguaiacol soon separates, partly as a solid white mass and partly as an oil which soon solidifies. The compound crystallises from absolute alcohol in long white needles, having a melting-point of 58° to 60° C. To 43 parts by weight of chloracetylguaiacol is added, while stirring, 35 parts by weight of diethylamine; a lively reaction soon sets in, which is moderated by cooling with ice. The chloracetylguaiacol dissolves gradually, and after two hours the mass, having become gelatinous, is treated with dilute soda solution and extracted with ether. This extract, previously shaken with soda-lye in order to remove the generated guaiacol, leaves behind on evaporation the diethylglycocoll guaiacol as a thick basic oil, which is purified by conversion into its hydrobromide. This salt separates from water in white needles having a melting-point of 208° C., and crystallises from an alcoholic solution on the addition of ether. 230 parts by weight of monochloracetic acid in 100 parts ether.

#### Hedonal

Methyl-propyl-carbinol urethane. Used as a hypnotic. TRADE-MARK: No. 226405, registered in 1899 by the Farbenfabriken vormals Friedrich Bayer & Co., Elberfeld, Germany. Registration renewed in 1913.

PATENTS: No. 18802 of 1899, "Manufacture or production of carbamic ethers," granted to the above-named company. The patent became void in the tenth year. The corresponding patents are United States 659202 (1900), "Methylpropylcarbinol urethane and method of making same," Germany 114396 (2/4/99), 120863, 120864, and 120865 (19/9/99).

The British patent-specification refers to eleven separate products, and gives three examples of the method of preparing them. We quote, however, from the United States patent-specification (659202), where only methyl-

propylcarbinol urethane is claimed;

Twenty parts by weight of methylpropylcarbinol is mixed with 23 parts by weight of urea nitrate, and the resulting mixture heated in a closed vessel under pressure for, say, five hours at from about 125° to 130° C. After cooling a small quantity of water is added to the mass. The oily liquid thus separated is isolated from the watery solution. After standing for some time the oil solidifies in the shape of needles. By a subsequent crystallisation from ligroine the new methylpropylcarbinol urethane is obtained in the shape of thin white needles melting at 74° C.

#### Hetokresol.

Cinnamyl-m-cresol. Used as a dusting-powder in

surgical tuberculosis.
TRADE-MARK: No. 216164, registered in 1899 by Kalle & Co., Biebrich a/Rh., Germany. The mark was removed from the Register in 1912.

PATENT: No. 9713 of 1898, granted to above-mentioned firm. It was voided in the fourth year.

The process of manufacture is thus given in the British patent-specification:

Twenty-eight parts by weight of m-cresol and 35 parts by weight of cinnamylic acid are dissolved in from 180 to by weight of chinamytic acid are dissolved in from 180 to 500 parts by weight of a suitable indifferent solvent (such as toluene), and to the solution so obtained from 20 to 25 parts by weight of phosphorus oxychloride is added. The solution is then heated to about 110° to 120° C., until hydrochloric-acid gas ceases to be evolved. After cooling the solution is filtered off from resinous matter formed during the reaction. After the solvent is distilled off the grade the reaction. After the solvent is distilled off the crude cinnamyl-m-cresol remains as a feebly coloured oil, which on cooling forms a crystalline mass. The new body may be purified by recrystallisation from alcohol.

#### Ichthalbin.

Ichthyol albuminate. Used externally for eczema, also internally for nervous intestinal affections.

TRADE-MARK: No. 223215, registered in 1899 by Knoll

& Co., Ludwigshafen a/Rh., Germany. Registration was renewed in 1913.

PATENT: No. 11344 of 1897, "Manufacture of compounds of ichthyol," granted to above-named firm. The patent became void in the sixth year. The following are the examples of the methods of manufacture given in the specification:

I. Ten kilos, of albumen is dissolved in 60 litres of water, and to the solution thus formed 10 kilos, of ichthyol (ammonium sulpho-ichthyolicum) is added. To this mixturo a solution of 900 grams of concentrated sulphuric acid turo a solution of 900 grams of concentrated sulphuric acid and 10 litres of water is gradually added, with constant stirring: The precipitate thus obtained, after the liquid has been pressed off, is dried and powdered, and, in order to remove the offensive odour and taste, is then heated for about twenty-four hours at about 120° C. Instead of heating the compound, it may be treated with a solvent. When using alcohol for this purpose, 10 kilos, of the powder is stirred for about half an hour with double the quantity of alcohol; the latter is then filtered off, and the product washed with alcohol in order to remove perfectly the adhering alcoholic solution of the strongly smelling and tasting constituents of ichthyol, after which the product is dried and powdered. powdered.

powdered.

II. Ten kilos, albumen is dissolved in 30 litres of water, and to the solution thus formed is gradually added, with energetic stirring, a solution of 6 kilos, of ichthyol-sulpho acid in 50 litres of water. The resultant precipitate, after being pressed and dried, is powdered and treated with a solvent as in I., or heated for about twenty-four hours at a temperature of from about 100° to 150° C, preferably at about 125° C.

#### Ichthyol

Ammonium sulpho-ichthyolate. Used internally for rheumatism and skin-affections, etc.; externally for chronic skin-diseases.

TRADE-MARKS: Nos. 39599 (Class 2) and 39600 (Class 3). registered in 1884 by the Ichthyol Gesellschaft Cordes Hermanni & Co., Hamburg. These marks consist of labels embodying the word "Ichthyol," name and address. and figure of a dove. Registration was renewed in 1898 and 1912. Nos. 59155, 59156, and 59157 in Classes 2, 3, and 48 respectively, and consisting of the "Ichthyol," were registered in 1887 by the same company. Registration was renewed in 1900 and 1914. The words "Ichthyolate" and "Ichthyolicum" were also

registered (64841 and 64842) in 1901.

PATENTS: No. 10523 of 1884, "A new medicinal compound and the process of manufacturing the same," granted to Ernst Wilhelm Rudolf Schröter, Hamburg. The patent existed for the whole term, but no assignment to the Ichthyol Co. was registered at the Patent Office. The corresponding German patent is 35216 (22/5/85), Verfahren zur abscheidung von Ichthyolsulfosäure."

The following is the substance of the British patentspecification:

Oils which contain sulphur in natural chemical com-Ons which contain sulphur in natural remnical combination, such as schist oil, etc., are mixed with concentrated sulphuric acid in the proportion of from 1 to 3 parts of acid per part of oil. The mixture heats, and a violent reaction is produced, during which quantities of sulphurous acid escape. One part of the oil enters into chemical combination with the sulphuric acid, and becomes soluble in water, while the remaining portion collects on the top of the water, and remains as oil insoluble in water. After separating the oil from the sulphur compound the latter is washed out, thus becoming partly freed from sulphuric and sulphurous acids which are mixed therewith out receiving thus a new compound, the inhibitory trom sulphuric and sulphurous acids which are mixed therewith only mechanically, thus a new compound, the ichthyosulphur acid, remains as a dark-green molasses-like substance of acid reaction. . . By neutralising this ichthyosulphur acid which still contains excess of sulphuric and sulphurous acids with soda, potash, ammonia, or any other base, an ichthyosulphuret of the base is produced, of which the two first are to be washed out with water in order to the two first are to be washed out with water in order to remove the sulphate and sulphite of soda or potash.

Iodoformogen.

Iodoform albumen. Used as a wound-antiseptic. Trade-Mark: No. 223216, registered in 1899 by Knoll & Co., Ludwigshafen a/Rh., Germany. ("No claim for iodoform.") Registration was renewed in 1913.

PATENTS: No. 18178 of 1897, "Improvements in the manufacture of antiseptic substances," granted to above-named firm. The patent became void in the fifth year. The German patent is 95580 (9/6/97).

The process of manufacture given in the British patent-

specification is as follows:

To a solution of 10 kilos, of albumen in 90 litres of water there is added, while stirring, 15 kilos. of alcohol. To this mixture is added, with vigorous stirring, 2 kilos. of iodoform which has been previously dissolved in a mixture of 10 kilos, of alcohol and 10 kilos, of ether. The precipitate thereby formed is filtered off and dried, then heated for a few hours at about 120° C., washed several times with ether or alcohol or other iodoform-dissolving medium, and again heated to about 100° C.

Iodopyrine.

Antipyrine iodide. Used as an analgesic in migraine, etc.

TRADE-MARK: None appears to have been registered

with the British Office.

PATENT: No. 19576 of 1890, "Manufacture of a compound of antipyrine and iodine," granted to the Farbwerko vormals Meister, Lucius & Brüning, Hoechst a/M., Germany. The patent became void in the eighth year.

The process of manufacture given in the patent-specifi-

cation is as follows:

Two parts by weight of antipyrine is dissolved in 20 parts by weight of water and heated to boiling temperature. the solution are added alternately portions first of potassium carbonate and then of iodine in fine powder, in all 3 parts by weight of potassium carbonate and 2.8 parts by weight of iodine. There should never be more than a small excess of potassium earbonate, and no fresh portion of iodine should be added until the preceding portion has completely disappeared.

#### Iodolen.

Tetra-iodo-pyrrol albumen. Iodol albumen. Used as a wound-dressing.

TRADE-MARK: None appears to have been registered at

the British Office.

PATENTS: No. 16353 of 1899, "Manufacture and production of a new compound of iodol and albumen," granted to Kalle & Co., Biebrich a/Rh., Germany. The patent became void in the sixth year.

The following are the processes of manufacture given

in the specification:

I. One hundred grams of pure white of egg is dissolved in 500 c.c. of water, and to this solution a solution of 20 grams of iodol in 200 c.c. of soda-lye is added, superadding immediately the quantity of hydrochloric acid required for neutralisation. The compound of iodol and albumen separates in flakes, is filtered, washed with water and a little alcohol, pressed, and dried at a moderate comparature. temperature.

II. One hundred grams of albumen is dissolved in 500 c.c. of water and mixed with 200 c.c. of a 5 to 6 per cent. soda-lye. The mass immediately solidifies into a jelly which, when heated, will liquefy again. As soon as liquefaction has set in there is added a solution of 20 grams of iodol in 100 c.c. of 5 to 6 per cent. soda-lye and 100 c.c. of water, and the mixture is neutralised with hydrochloric acid. Then proceed as No. I.

The method of making iodol (tetra iodopyrrole) is described in the German patent 35130 (9/6/85).

Iodothyrine.

Thyroiodine. Used in myxædema, etc.
TRADE-MARK: No. 275298, registered in 1905 by the Farbenfabriken vormals Friedrich Bayer & Co., Elberfeld, Germany. ("No claim for 'iodo.'")
PATENTS: Nos. 12295 and 20827 of 1895, and 9576 of

1896, granted to above-named company. The last-named patent, "Improvements in the manufacture of a pharmaceutical substance," became void in the sixth year. It is an improved method of making the thyroid substance referred to in the previous patents. The substance is termed "iodothyrine" in the complete specification and "thyroiodine" in the provisional specification. The United States patent is 626648 (1899). Two examples are given in the British specification of manufacture:

I. A mixture of 1 part of finely minced fresh thyroid glands from sheep, carefully freed from fatty particles and grands from sheep, carefully freed from fatty particles and the like, and 150 parts of artificial gastric juice (i.e., a solution of  $1\frac{1}{2}$  to 2 per million of hydrochloric acid and 1 per cent. pepsin) is allowed to stand during twenty-four hours at a temperature of about 45° C. A solution is thus obtained in which a small quantity of undissolved matter is present. The undissolved substance is filtered off, washed with water, and then repeatedly extracted with hot 90-percent. alcohol. On evaporation the alcoholic solutions thus obtained yield a slightly coloured mass, consisting chiefly of iodothyrine. This raw product is freed from fat and

of foutdryrine. This raw product is freed from fat and fatty acids by treatment with ligroin and the like.

II. One part of the mineed thyroid gland from sheep is digested with 2 parts of an aqueous solution containing 0.75 per cent. common salt during about twenty-four hours. The mixture thus obtained is filtered, and a small quantity of dilute acetic acid having been added to the filtrate, it is boiled for several minutes. A colourless flocculent precipitate is thus separated, which consists of a mixture of the compounds of iodothyrine with globulin and serum

The methods of isolating these are then given. The two earlier patents should also be consulted,

Lactophenin.

Lactyl phenetidin. Analgesic and antipyretic, TRADE-MARK: No. 216203, registered in 1899 ("No claim for 'Lacto'"), by C. F. Boehringer & Söhne, Waldhof, Baden. Registration renewed in 1912.
PATENTS: No. 12166 of 1892, "Manufacture of

Lactyl derivatives of Methylaniline, Ethylaniline, Paraanisidine, and Paraphenetidine," granted to the above-named firm. The patent remained in force for the whole period of fourteen years. The corresponding United States patent is 503743 (1893), "Lactyl-paraphenetidid and process for making it."

The specification of the British patent gives the following example of the process of manufacture;

Twenty-seven kilos. p-phenetidine is dissolved in the equivalent quantity of dilute sulphuric acid of about 20° Be. and mixed with a hot or cold aqueous solution of 30 kilos. of calcium lactate [Ca(C<sub>3</sub>H<sub>5</sub>O<sub>3</sub>)<sub>2</sub>+5H<sub>2</sub>O]. To the mixture obtained is added strong alcohol until the whole of the calcium sulphate has been completely precipitated—that is to say, until a sample filtrate of the liquid will not become turbid by the further addition of alcohol. By filtering the solution of the lactate of p-phenetidine is separated from the calcium sulphate, and the alcohol contained in the solution can be recained by distillation. tained in the solution can be regained by distillation. By evaporation the water of solution is removed, and the evaporation the water of solution is removed, and the residuo obtained, consisting of lactate of p-phenetidine, is heated gradually to about 180° C., until no more aqueous vapour is given off from the fused mass. The lactyl compound thus obtained, after being cooled to about 100° C. is then dissolved in boiling water, with the addition of some decolorising earbon if necessary. From the filtered clear solution the greater portion of the lacto-p-phenetidine separates in crystalline form. The remainder can be obtained from the solution by evaporation.

Another method of making lactophenin is given in expired patent 2427 of 1895 (Farbwerke vormals Meister, Lucius & Brüning). By this method lactic acid and p-amidophenol are employed as the starting-point.

AIROL.—The Hoffmann-La Roche Chemical Works, Ltd., 7 and 8 Idol Lane, London, E.C., write to inform us that the "Airol" trade-mark (181257) was transferred to them in 1909, and is still their property. (See C. & D., January 30, p. 149.)

# Trade Notes.

ACETYL-SALICYLIC ACID, now one of the scarcest of chemicals, , along with other fine chemicals, offered in this issue by Reitmeyer & Co., 63 Crutched Friars, London, E.C.

ANDREW'S LIVER-SALT.—The demand for this saline is greatest in the spring. The manufacturers, Scott & Turner, Ltd., Newcastle-upon-Tyne, invite requests for particulars of a special offer for spring deliverics.

British Sodium Salicylate.—It was W. J. Bush & Co., Ltd., Hackney Wick, who supplied the London Hospital with 56 lb. of sodium salicylate of their own manufacture, as noted in the C. & D., March 6, p. 39.

OPIUM AND ITS PREPARATIONS.—Oldfield, Pattinson & Co., Manchester, claim to be the best house for opium and its preparations. Their pharmaceutical products and "Silver Churn" dairy specialities are well known.

O., S. & Co. Products.—The special products of Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C., are given in an announcement in this issue. These include a wide range of modern medicaments in active demand.

Lymn's British Lysol is made in England by the Lymn Bowater Chemical Co., Ltd., and the sole distributors are Aerators, Ltd., Upper Edmonton, London, N., whose advertisement in this issue makes clear the genuineness and all-British character of the product.

LABORATORY GLASSWARE.—In further reference observations on the laboratory glassware submitted to us by Jules Lang & Son, Charlton Works, Islington, London, N, the firm now inform us that it is not made in this country, but is not of alien enemy manufacture.

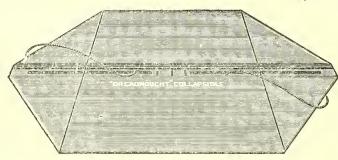
CARDBOARD BOXES.—A particularly effective advertisement in this issue conveys symbolically the scope of the factories of Robinson & Sons, Ltd., Chesterfield. The speciality of the company is the production of small cardboard boxes, of which the annual output is nearly 200,000,000.

HARDCASTLE'S BALM OF GILEAD, made by W. Hardcastle & HARDCASTLE'S BALM OF GILLAD, Inade by W. Hardcastle & Sons, 2 Finkle Street, Stockton-on-Tees, is an ointment for universal application which has been manufactured for over a century. The retailers' profit is protected at 20 per cent. under the Proprietary Articles Trade Association scheme.

PACKED POLISHES.—Holiday & Co., City Mills, Durham, offer to send free samples of various polishes and stains, Velkoline whiting, and Daxo paste powder, which they manufacture. These are packed at popular prices, and are always in increased demand at the spring-cleaning period.

VELVIX COMPLEXION LEAFLETS are one of the series of Velvix toilet lines which are sold by Sangers, 258 Euston Road, London, N.W. Special points are made in the firm's advertisement of the handsome appearance of the Velvix leaflets, and of the equally handsome profit of 200 per cent. at protected prices.

Collapsible Boxes.—The Globe Box Co. (Cartwright & Rattray, Ltd.), Boston Mills, Hydc, are makers of col-



lapsible cardboard boxes, which they supply in lots of one dozen and upwards. These boxes can be erected in the space of two or three seconds, and in appearance and the space of two or three seconds, and in appearance and strength are equal to non-collapsible boxes, with the advantage that considerable store-room space is saved. The "Dreadnought" collapsible box, which we illustrate, is 8 in. square by 4 in. deep, and is suitable for carrying all classes of goods. The firm also make a cheaper box on similar lines—the "Simplex" collapsible box. These boxes interest to chemists, particularly those who should prove of interest to chemists, particularly those who have a large postal business. Prices, etc., may be obtained by writing to the above address.

British Lysol.—Charles Zimmermann & Co. (Chemicals), Ltd., 9 and 10 St. Mary-at-Hill, London, E.C., have arranged a number of

window-shows of their Lysol in various parts of the United Kingdom, in connection with which they are issuing the new Lysol showcards, one which we illustrate. The size of the show-card is  $10\frac{3}{4}$  in. by  $16\frac{1}{2}$  in. Messrs. Zimmermann inform us that now that it is generally recognised generally recognised that their Lysol is a British product, and that no German interest is, or will be, involved in its production, their sales have surpassed all previous records and seem likely to establish new records. The company



SUMMER SALINES.—Contracts for supplies of summer salines are now under consideration by careful buyers. May, Roberts & Co., Ltd., 7, 9, and 11 Clerkenwell Road, London, E.C., take the opportunity in their advertisement of giving a showroom chat on this subject, which is interesting reading.

"Anglopirin."-Since the advertisement in this issue by Shirley Bros., Ltd., was printed they inform us that, owing to the high price of the raw material, the bonus on their "Anglopirin" is withdrawn for the present, but the prices remain as quoted in their advertisement until the present stock is exhausted.

J. W. DRYSDALE & SONS, 16 Fish Street Hill, London, E.C., are well known to first-hand buyers as being intimately in touch with the world's sources of supplies of drugs, alkaloids, synthetics, and other medicaments. They are in a position to help merchant shippers who have indents to fill with such druggists' goods.

H. K. MULFORD Co., of Philadelphia, and 119 High Holborn, London, W.C., are making a feature of bismuth-formiciodide comp. powder, which is a dry antiseptic surgical dressing. Samples of it can be obtained from the above address or from the distributing agents, Thomas Christy & Co., Old Swan Lane, London, E.C.

COPPER LABORATORY-PLANT.—John Dore & Co., distillers' engineers and coppersmiths, 28 to 30 High Street, Bromley, London, E., figure in their advertisement in this issue a patent still for the recovery of solvents. It is suitable for acetone, other, petrol, etc. The same firm also make all kinds of copper plant for laboratory

A. & H. Goods.—Allen & Hanburys, Ltd., Lombard Strect, London, E.C., give in their advertisements a selection of the various styles of packed salines and other effervescents. As the prices are given, pictures of the various goods, and particulars of the styles and sizes, it is easy to judge that they are of good value.

CONCENTRATED TINCTURES.—The list of Wellcome CONCENTRATED TINCTURES.—The list of Wellcome brand concentrated tinctures is given in the advertisement in this issue of Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C. The utility of these will be appreciated by Colonial and foreign buyers. It will also be noted that a good assortment is given of "tabloid" medical and first-aid outfits and first-aid outfits.

Hydrous Wool-far.—Howard Lloyd & Co., Ltd., 20 Ashfordby Street, Leicester, are manufacturers of purified hydrous wool-fat, to which they give the name "Lanadeps," and of adeps lane hydrosus, B.P. The latter product meets all the official requirements, and those who are in need of lanoline for toilet-purposes are recommended to apply to the commany for samples and quotations. to the company for samples and quotations.

Tokalon Announcement.—An advertisement in this issue by Tokalon, Ltd., 212 and 214 Great Portland Street, London, W.. states that the company will in future only concern itself with the Tokalon toilet-products, and that the other pharmaceutical lines which they have formerly

listed will be handled by the International Chemical Co., Ltd., 67 and 68 Bolsover Street, London, W.

BRITISH-MADE PODOPHYLLIN.—In the advertisement by T. & H. Smith, Ltd., 22 City Road, London, in the C. & D., March 6, p. iv, tho word "Podophyllin" was incorrectly printed with a "C." Messrs. Smith were among the first in Great Britain to make this resinoid, and at their Blandfield Works, Edinburgh, they are now producing the two kinds prescribed by the British Pharmacopeia, 1914.

Apprentic R. P. and solution of adversaling P. T.

Adrenatin, B.P., and solution of adrenalin, B.P., are now manufactured by Burroughs Wellcome & Co. in their own laboratories. These products conform to the pharmacopeial tests, and are also physiologically standardised, so that they may be used with certainty of the desired result being obtained. "Wellcome" brand adrenalin, B.P., is sold in tubes containing 1 gram and the B.P. solution in bottles of 10 cc.

bottles of 10 c.c.

CHELTENHAM CONCENTRATED APERIENT WATER has been examined by Dr. John C. Thresh, of the Counties Public Health Laboratories, London, with the result that it is found to be almost identical with Hunyadi. The principal saline elements of the Gloucestershire springs, converted into their equivalent of erystalline salt, represent in each pint 359 grains of magnesium sulphate and 381 grains of

sodium sulphate.

"Petal-dust."-The Rosmarine Manufacturing Co., Stamford Street, London, S.E., are the makers of this favourite sachet, and they offer retailers facilities for increasing the sales. "Petal Dust" is put up in 3d. and 6d. packets, and the retailer's own name and address can be printed on each for orders of five gross and upwards. The article can also be obtained from the City depôt, H. C. Quelch & Co., Ludgate Square, London, E.C.

STANDARDISED BRITISH LYSOL, which the Standardised Dis-STANDARDISED BRITISH LYSOL, which the Standardised Disinfectants Co., Ltd., Billiter Buildings, London, E.C., have registered under the name Zonzol, is one of a series of disinfecting-fluids which the company manufacture, and which are in great demand. Of Zondo, for example, the War Office bought within three months 89,800 gals. Brunolinum, a wood-preserver, is also in great demand for use

on Army sheds.

A Supplementary War-List of pharmaceutical products, photographic chemicals, essential oils, and perfumery products is printed in this issue by R. Lane Hall & Co., 4 Lloyd's Avenue, London, E.C. The list contains quite a number of chemicals whose use has been restricted consequent on their being, under fancy names, of alien-enemy origin, but which Messrs. Lane Hall supply by their chemical names, and at prices which they quote on application.

BRITISH BRUSHWARE.—G. B. Kent & Sons, Ltd., 75 Farringdon Road, London, E.C., refer in their advertisement to the effect of the war in stopping supplies of Continental brushware, and offer to send to all dealers in brushes their export supplement, which shows the wide range of brushes made by the company. The extent of these manufactures can be gauged by the fact that about a dozen different catalogues are issued. A list of these is given, and copies

will be sent on request,

STRETTON TABLE-WATER.—Supplies of foreign natural tablewaters from enemy countries having been cut off, English people are in a receptive mood to hear that there are many excellent natural table-waters bottled in this country. One of these, claimed to be the purest in the world, is the Stretton table-water, which is bottled by the Stretton Hills Mineral-water Co., Church Stretton, Salop. Particulars of the water can be obtained by applying to the company. There are depots in London and Manchester,

Sandat-oft Capsules.—A particularly neat package containing English sandatwood-oil capsules is sold by S. Maw, Son & Sons, 7 to 12 Aldersgate Street, London, E.C. The box measures  $3\frac{5}{8}$  by  $2\frac{1}{4}$  in., and is only  $\frac{7}{16}$  in. dccp. Inside are provided metallic recesses, one for each of the twenty-four capsules. The box is aluminium-finished, with only the trivials two theorems of the street of the triangle trade-mark on the outside, the label giving the properties and dose being printed on the inside of the lid. These cost 17s. 6d. per doz. boxes, and are excellent value.

BULLETIN No. 528 of the University of Wisconsin, U.S.A., recently issued, is a contribution from the course in pharmacy by Edward Kremers, Ph.D., Professor of Pharmaceutical Chemistry in the University, entitled "The Classification of Carbon Compounds." Professor Kremers has systematised the work that has been done on this subject, and puts forward a proposed basis for the rational classificaand puts forward a proposed basis for the rational Classifica-tion of carbon compounds and their derivatives. Three appendices are included, dealing with (a) Arrangement according to the Number of Carbon Atoms: (b) Classifica-tion as Revealed by Tables of Contents; and (c) Definitions of Organic Chemistry,

# Insurance Notes.

DRUG TARIFF COMMITTEE.—This Committee again met at the offices of the Insurance Commissioners in London on Wednesday, when evidence was taken in regard to the origin of the present Drug Tariff and the principles upon which it was compiled. Mr. Rutherford Hill, of Edinburgh, was the principal witness.

Doctors' Certificates.—The Insurance Commissioners have issued a circular (A.S. 161) on Certificates from Doctors attending Members in a Privato Capacity. For reasons stated in the circular, the ordinary certificates for insured persons will not be available in respect of members of societies receiving medical attendance in a private capacity. The Commissioners have also issued a leaflet in regard to the Final Certificate required by insured persons, which states that they must arrange to see their doctor and get a Final Certificate on the last day on which they are unfit for work. The doctor cannot give a Final Certificate after

such persons have become fit for work.

DOCTORS AND THE DRUG TARIFF.—Dr. Alfred Salter (Bermondsey), speaking on March 4 at a meeting of the Panel Medico-Political Union (a body which proposes to organise panel practitioners on trade-union lines), supplemented the reasons for the shortage in the London Drug Fund given by Dr. B. A. Richmond at the meeting of the London Insurance Committee (C. & D., March 6, p. 55). Dr. Salter disagreed with Dr. Richmond's statement that doctors do not object to the chemists' fee for dispensing, and complained that colour has been given to the suggestion that doctors have prescribed extravagantly because Panel Comdoctors have preserized extravagantly because Panel Committees have surcharged on the most trivial grounds, have assumed that the Drug Fund is adequate, and that the Drug Tariff is equitable. On the present Tariff, Dr. Salter said, it is "extremely wrong" for any doctor to be surcharged because the average cost of his prescriptions exceeds a particular figure. Dr. Farman had had analysed 1,000 consequition prescriptions, which cost the Insurance Committee of the prescription of the consecutive prescriptions, which cost the Insurance Committee 25l.; the actual cost of the drugs to the chemist was about 5l. 5s. (6l., less, say, 15 per cent. discount); the Tariff rates brought the cost of the drugs to the Insurance Committee up to 14l. The elemist flus pocketed a profit of about 8l. and got dispensing-fees amounting to 11l. On this besix the cost of drugs represented 5d and of the 2s. and the basis the cost of drugs represented 5d. of the 2s., and the rest was pocketed by the chemist. It was an absolutely inordinate charge, and an inordinate rate of profit to the chemist; because of it practitioners are being accused of wasteful prescribing. In a number of these cases the chemists' profit was 300, 500, or 800 per cent. To illustrate his contention, Dr. Saltan allusted to the his contention, Dr. Salter alluded to the arrangement made for the supply of drugs at cost price to dependants of soldiers and sailors. He said that a chemist, whose name he had, sent to the Soldiers' and Sailors' Families' Association eighty prescriptions from one doctor, the average cost of whose Insurance prescriptions was 1s.  $2\frac{1}{2}d$ . The doctor was confident that these prescriptions were similar to those given to insured persons, but for them the chemist's charge for drugs was 6s. 9d., whereas at Tariff rates the charge would have been 4l. 16s. 8d. Dr. Salter concluded by appealing for support in an agitation to amend the Drug Tariff.

#### DISEASES OF RABBITS.

THE following notes are supplementary to those published in our Coloured Supplement of February 27:

OPHTHALMIA.—This is due to the same cause as red-water. It is very prevalent in young rabbits about a month old. The eyes should be bathed with boracic or zinc lotion, and the animals kept in a clean, dimly lighted hutch. Scurf.—This is a sealy disease of the skin, and may be

Score.—Ins is a seary disease of the skin, and hav be treated by dusting sulphur into the coat and giving a little in the food once a week. This should be continued for a period. Sulphur is also an excellent preventive of the disease. Rot or scab is an allied disease in which there is a very offensive smell, slight dropsy, the hair becomes matted together, and usually suppurating sores break out. Thoroughly wash the sores with carbolic lotion or dilute permanganate solution, afterwards applying boracic or sulphur ointment and give sulphur internally.

Sore Hocks.—This arises from dirt, a heated condition Sore Hocks.—I'ms arises from dirt, a heated condition of the blood, and a deficiency of green food. Dress the sores with zinc and carbolic ointment, and spread hay on the floor of the hutch for a few days, also clean, dry sand. The latter acts as a preventive.

THE ESSENCE OF DISPENSING is the order of mixing, as stockkeeping is of commercial pharmacy.

# Pharmaceutical Society

of Great Britain.

# Evening Meeting.

THE third evening meeting of the present session was held on March 9 at 17 Bloomsbury Square, London, W.C. The President (Mr. E. White) was in the chair, and was supported by Mr. W. J. U. Woolcock (Registrar) and Mr. A. J. Chater (Assistant Secretary). There was a good attendance, those present including Mr. R. R. Bennett, Mr. F. C. J. Bird, Mr. J. O. Braithwaite, Mr. E. T. Brewis, Mr. Collins, Mr. W. L. Currie, Mr. Harold Deane, Mr. W. Garsed, Mr. J. P. Gilmour, Professor H. G. Greenish, Mr. C. H. Hampshire, Mr. E. F. Harrison, Mr. J. Rutherford Hill, Mr. E. M. Holmes, Mr. A. Howell, Mr. W. L. Howie, Mr. J. A. Jennings, Mr. A. Latreille, Mr. H. Lucas, Mr. Harry Martin, Mr. F. A. Rogers, Mr. P. A. W. Selfe, Mr. H. Skinner, Professor H. Llewellyn Smith, Mr. G. A. Tocher, and Mr. G. V. S. Wills. Dr. David Hooper, Ph.C., F.C.S., F.L.S., gave a lantern-lecture entitled

#### TREES THAT WEEP,

which dealt with the natural exudations of trees, particularly those of India. A classification of tree secretions which the lecturer adopted was (1) soluble gums-e.g., arabic; (2) insoluble gums-e.g., tragacanth; (3) red gums—e.g., kino; (4) oleo-resins—e.g., turpentine; (5) oleo-gum resins—e.g., incense; (6) miscellaneous, including balsams, lacquer, opium, Indian hemp, caoutchouc, manna, the acid secretion of the cicer, and tears of lime found in the teak-tree. He pointed out that these included mucilaginous, astringent, resinous, odoriferous, and balsamic products as well as varnish, elastic, and saccharine materials. Lantern-slides were thrown on the screen, one of the first being the coconut palm of India, from which many products are obtained. From the secretion collected by cutting off the spathe, sugar is obtained; if fermented it yields toddy, or if distilled tari. Eucalyptus viminalis yields a kino from the stem and manna from the upper part of the plant. Incidentally the lecturer said that the specific name of Cinchona succirubra is derived from a red juice which exudes in a severe winter, and which causes a loss of alkaloids in the bark. Maps were projected on to the screen to show the sources of various gums, Tinnevelly senna, earthnuts, nux vomica, opium, and charas. The collection of gum arabic in the Soudan was referred to, and the fact brought home that the gum exudes where the bark has been wounded. He had seen wattle-tree hedges after being cnt in rainy weather with a drop of goiden gum at each cut point, giving the tree the appearance of a stack of ladies' hat-pins. The different forms of tragacanth were shown to be due to differences in the puncture or slit from which the gum exudes. frondosa, the sacred tree of India, yields Bengal kino, "wretched rubbish," which the lecturer regretted to see had been introduced into the British Pharmacopæia. It is a very inferior product, and cannot be garbled; there is, moreover, no scarcity of Malabar kino. The methods
—"box" and "pot"—of collecting turpentine were
shown pictorially, then the curious nest of the Indian stingless bee, which is built up of dipterocarpus resin and used for caulking boats. The systems of tapping laticiferous stems were shown as regards damar, gamboge, lacquer, and rubber. Indian gamboge, said the lecturer, is more resinous than that obtained in Siam. Referring to the collection of olibanum in Arabia, Dr. Hooper mentioned that this is taken to Bombay and sorted into six kinds. The first quality, in tears one inch long, has a beautiful perfume, but is not seen in commerce. gum in gum resins seals up the perfume of the secretions, so that it is retained for many years. Balsams contain cinnamic and benzoic acid, and the ancient use of these in surgery is perfectly justified by modern views on antiseptics. Other vegetable secretions dealt with were lacquer, opium (which now that the supply of Turkey

opium is cut off will become more in demand), Indian hemp (which yields chang, ganja, and charas), rubber. guttapercha, and tamarisk manna. The insect which is responsible for the phenomena of weeping trees is Frominia marginella, which selects trees from which dulcite can be prepared and secreted. The rain-tree, the cicer pea, and the Indian teak were also dealt with. The lecturer concluded that much might result from a systematic study of the methods of making trees increase their yield of secretions, as has already been done in the case of turpentine and rubber.

A short discussion ensued, in which Professor H. G. Greenish, Mr. E. F. Harrison, and Mr. C. T. Holloway

took part. The lecturer replied.

Refreshments were afterwards served in the library.

# Winter Session

# of Meetings of Trade Associations.

(See also "Insurance Act Dispensing.")

Blackpool.—Mr. Huddart presided at a meeting of the Blackpool and Fylde Pharmacists' Association on March 5, when a letter was read from the Blackpool Belgian Relief Committee accepting the Association's offer to dispense for refugees at Insurance Act rates. The matter of a Chemists' Assistants' Motor Ambulance Fund was entrusted to Mr. Swift. A discussion took place on the sale by unqualified drug-store keepers of ailment-named remedies without stamp as known, admitted, and approved remedies. The Hon. Secretary was instructed to write to the Secretary of the Pharmaccutical Society about this.

British Pharmaceutical Conference.—A statement of the receipts and expenditure and the balance-sheet for 1914 of the British Pharmaceutical Conference has been sent out to members. The receipts amounted to 4821. 2s. 10d., the chief items of which are subscriptions, 3681. 9s. 9d.; advertisements in "Year-book." 871. 5s.; sale of "Year-book" and reprints, 24l. 15s. The expenses include production of "Year-book," 2031. 1s. 11d. (printing and publishing (1761. 16s. 2d.); commission, etc., on advertisements, 20l. 0s. 1d.; Editor's salary, 75l.; sceretarial expenses, 39l. 14s. 6d.; postages and petty cash sundries, 18l. 0s. 4d.; printing and stationery, 33l. 6s. 10d.; other small items. 8l. 1s. 10d. A balance of 84l. 17s. 4d. is carried forward, against 3s. 7d. last year. The Bell & Hills Fund stands at 21l. 14s. 5d., and the Research Fund at 18l. 12s. Mr. I. Bourdas signs the accounts on behalf of the auditors.

Chemical Society.—A meeting was held in Burlington House on Thursday evening, March 4, Professor W. H. Perkin, F.R.S., presiding. The first paper was by Mr. L. H. Jordan and Professor J. F. Thorpe on the Formation of Coumarin-derivatives and Stable Coumarinic Acids. The authors stated that the ordinary coumarinic acid cannot be prepared from coumarin, as the anhydride is always formed. If, however, a nitro group be introduced into the ring in position 8, then the acid can be isolated. The constitution of the nitro-coumarin is as shown:

If ethyl acctoacctate be treated with dry hydrochloric acid, a body is obtained which on treatment with cold sodium ethoxide gives a coumarin from which the acid may be prepared. This coumarin-derivative is very stable, since the effect of fusing with alkali at 130° C. is merely to hydrolyse the methoxy group to carboxyl. When the commarinic acid is fully substituted it can be isolated, and the stability of the acids decreased with a decrease in the degree of substitution. When the coumarin contains a carboxy group in the same position as the nitro group referred to above, the coumarin itself cannot be isolated, merely the corresponding acid. The only other paper read was by Messrs. S. Jacobson and B. Ghosh on The Formation of Chromones and Flavones.

Derby.—A meeting of the Derby Borough Pharma-

**Derby.**—A meeting of the Derby Borough Pharmacentical Association was held on March 3, when a paper on The Pharmacy of the 1914 Pharmacopæia was given by Mr. S. Taylor. The chair was taken by Mr. H. G.

Pattison (President), and there was a good attendance. Mr. Taylor showed specimens of the new preparations, and a discussion followed. Mr. Taylor received a vote of thanks, and promised to give a further paper on the chemistry of the new B.P.

Essex.—The annual meeting of the County of Essex Association of Pharmacists was held at 17 Bloomsbury Square, London, W.C., on March 3, Mr. J. H. Matthews (President) in the chair. Mr. Edmund White (President of the Pharmaceutical Society of Great Britain) was also present, The Chairman reviewed the work done by the Committee during the past year, and pointed out the great usefulness of the Association, although a great part of the ceunty work is done by the Pharmaceutical Committee. He referred also to the question of the deficiency in the ceunty work is done by the Pharmaceutical Committee. He referred also to the question of the deficiency in the Drug Fund, regarding which the Commissioners incline to the view that ample funds are provided for normal prescribing, but that extravagant and wasteful prescribing in certain localities has led to a shortage. Mr. Edmund White addressed the meeting upon matters connected with the National Insurance Act which are under consideration by the Cauriel of the Pharmaceutical Society. In the absence the Council of the Pharmaceutical Society. In the absence of the Treasurer (Mr. E. A. Holloway), the Chairman submitted the statement of accounts, showing a balance in hand of 7l. 13s. 5d. The accounts were approved. The Secretary (Mr. C. E. Goode) was absent through illness, and his report was read by Mr. J. H. Heywood and approved. The election of officers took place as follows: President, Mr. J. H. Matthews: Treasurer, Mr. E. A. Holloway; Hon. Secretary, Mr. C. E. Goode. The Committee was re-elected en masse. It was decided to adopt "The Script" as the official journal of the Association. The meeting also decided to adopt the B.P. 1914 forthwith for Insurance prescriptions. Votes of thanks concluded the meeting. mitted the statement of accounts, showing a balance in hand scriptions. Votes of thanks concluded the meeting.

Liverpool.—A meeting of the Chemists' Association was held at the Royal Institution on Wednesday, March 3, the President (Mr. H. Humphreys Jones) in the chair. The President (Mr. II. Humphreys Jones) in the chair. The attendance was exceptionally large. The announcement of Mr. W. P. Evans's address on The Relation between the Wholesale and Retail Sections of the Drug-trade created a good deal of stir in local circles. The first rule of the Association reads: "This Society shall have for its object the advancement of chemistry and pharmacy, and the furtherance of the trade interests of members engaged in the same." The second rule is: "All persons interested in promoting these objects shall be eligible for election as members." There is nothing, therefore, to indicate that because a person (retail or wholesale) is not qualified under the Pharmacy Acts, he is debarred from membership. under the Pharmacy Acts, he is debarred from membership. In years gone by there was a feeling that the wholesaler In years gone by there was a feeling that the wholesaler played too prominent a part in the working of the Association, and that it should be an Association of Pharmacists. Whether there has been ground for such an impression or not, the officers responsible for the calling of the meeting considered it would be to the interest of pharmacy that such an idea should be dispelled; hence Mr. Evans was asked to come before the members and thresh the matter out.

#### THE ADDRESS.

Mr. Evans commenced by stating that he had looked through the reports of the various Associations up and down the country, and, although some of them were good



MR. W. P. EVANS.

ough some of them were good productions, he considered that of the Liverpool Association was, beyond doubt, the most businesslike and attractive production. His object in examining these reports was to find the relative strengths of wholesale and retail members in the various Associations. In the Birming-Associations. In the Birming-ham and Midland Association 16 per cent, of the members are wholesalers: Manchester, 11 per cent.; and Liverpool, 18 per cent. He emphasised the importance of getting all the pharmacists to become members; there is no reason why so many should remain outside. He has been a member of the Association for

member of the Association for thirty-five years, and it grieved him very much to hear it said off and on during the past years that wholesalers were only members for what they could get out of retailers. He wished to speak not as "I," but as "we." and he was sure he was voicing the sentiments of other wholesalers present, among whom were Mr. G. H. Burroughs (Jno. Thompson, Ltd.), Mr. J. C. Jackson (Hy. Jackson & Son), and Mr. W. H. Saunders (Ayrton, Saunders & Co., Ltd.), when he repudiated this mean assertion with scorn. In

his opinion, the main function of an Association should be the rostering of a friendly feeling between the members, both retail and wholesale, and the furtherance and promotion of each other's interests, the self disappearing in the whole. Every chemist should regard his attendance at the meetings as contributing to the general weifare of the Association, and not only to benefit any one individual (and the wholesaler should regard matters in the same light), the desire being to be of mutual benefit, and he hoped the wholesaler would get the credit for desiring to and to the common good of all. Mr. Evans dealt with the importance of complete accord and harmony between the two sections of the craft for various reasons, and especially the following four:

1. The Insurance Act. - Seeing members of the Pharmacentrical Committee in front of him, it behaved him to be cautious in his remarks on this subject; but he was beginning to doubt if the Act was reany the blessing it was portrayed to be when it first appeared. In many cases undoubtedly it was a blessing; in others it was not. He read from week to week in The Chemist and Druggist and "Pharmaceutical Journal" of the deticiency in the Drug Fund in various localities. For that depionable state of things someone was to blame. One thing is beyond dispute, he said—viz., that pharmacists are suffering great nardships. He understood that London pharmacists lest to the extent of 55,000%. The suffering and hardship does not stop there. The wholesaler sulters also as a natural consequence, because the retailer orders his goods in good ceutical Committee in front of him, it behaved him to be eonsequence, because the retailer orders his goods in good taith, and the wholesaler supplies them also in good faith; but when the bills become due the retailer naturally gives as his reason for not promptly meeting them non-receipt of the amount due to him from the Insurance Committee. How is the small elemist in Wales, who has his account discounted to the extent of 30 and 40 per cent, to meet his wholesale bills? Nothing is more reasonable than the pleading of that individual to the effect that the Insurance Committee cannot pay him what is due. Mr. Evans added that he had on his nie a large number of letters from all parts of the country asking it something could not be done to alter this state of things and to remedy the injustice. The suggestion that the accounts should be rendered monthly instead of the country of the coun

Ine suggestion that the accounts should be rendered monthly instead of quarterly was an excellent one, and would enable those concerned to know exactly where they were.

2. The Aew B.P.—What a state of things both retailers and wholesalers were in at the beginning of the year when the new B.P. appeared! Mr. Evans had not yet surmounted the difficulties, and did not anticipate for some time to come being able to do so. The Association had sent a circular to the doctors that the old preparations should be used until March 31 but other Associations decided. be used until March 31, but other Associations had decided otherwise, with the result that in wholesale houses they were in a hopeless muddle, having to keep duplicate stocks in order to meet everybody's wishes. Mr. Evans maintained that the difficulty to some extent could have been mitigated by the co-operation of the two sections of the

3. The War.-All had experienced a very trying time since the outbreak of the war. Many items could not be procured at all, while others had doubled, trebled, and in some cases quadrupled in price. The more intimate the relation between wholesaler and retailer, the more they understood each other, and the easier is it to surmount these difficulties.

4. Sincus of War.—The last point to which Mr. Evans referred was that of funds. There are occasions when money is required to further the interests of worthy eauses money is required to further the interests of worthy eauses in connection with pharmacy, such as the Parliamentary Fund. Tickets for concerts, dinners, etc., had to be sold, and wholesalers were always, when approached, willing to give assistance in order to assure financial success. The names of members of the wholesale trade always appeared in the local subscription-lists, and it was only right that they should be there. Summing up, Mr. Evans said his section of the eraft could give the retailer the benefit of its help and advice, and the retail in many instances could be of help to the wholesale. The more matters were discussed together, the better for all concerned. "We should assist each other in every possible way," said Mr. Evans. "You cannot get on without me, and I cannot get on without you." without you.

without you."

A short discussion followed, Mr. W. H. Saunders proposing the vote of thanks to Mr. Evans, which Mr. Harold Wyatt seconded, emphasising the necesity for unity, as nothing of value can be accomplished if the ranks are divided. Dr. Symes, supporting, referred to the great work accomplished in past years by wholesalers, instancing Mr. Sugden Evans and Mr. Robert Sumner. Mr. G. H. Burroughs, Mr. J. C. Jackson, Mr. P. H. Marsden, Mr. L. Moreton Parry, and Mr. John H. Robinson also spoke, and the vote was carried with acclamation. At the beginning of the meeting the President read a letter from the Secretary of the local Medical Association in connection with the Belgian Relief Medical Association in connection with the Belgian Relief

Fund. After a lengthy discussion, the matter was remitted to the Council. The President also called attention to the next meeting, which was in the form of a lantern-lecture by Mr. Cleworth, of Manchester, "The B.P. Conference during the Last Nine Years, as Seen by the Camera." Sir Edward Evans (a Past-President of the Conference) and other influential gentlemen will be present.

other influential gentlemen will be present.

Foreat Yarmouth.—A meeting of the Great Yarmouth
Pharmaceutical Association was held on March 4, Mr. A. E.
Richmond in the chair. There were also present seven
members and Mr. J. Shearman (Hon. Secretary). A discussion on Earlier Closing took place, and it was found
impracticable to make 8 P.M. the universal closing-hour.
The President expressed the opinion that, failing earlier
closing, the attention of the members should be drawn to
the existing arrangment to close at 8.30, asking them to
fall into line with that hour, the members present agreeing
to do so. A discussion followed on Insurance matters.

to do so. A discussion followed on Insurance matters.

London (N.).—A meeting of the North London Pharmaeists' Association was held on March 4 at St. Padarns, Holloway, the President (Mr. J. Hearle) in the chair. The question was raised as to the effect on the Drug Fund of surcharging doctors for excessive prescribing, and it was stated that very little relief from the present shortage of the Fund would result. The sale of pennyworths of proprietary articles was referred to, and action against the practice is to be taken at once. The profit on proprietary articles on the P.A.T.A. protected list was considered, and the opinion expressed that 20 per cent. should be the minimum. Concerted action on this question is to be taken at the annual meeting of the Proprietary Articles Trade Association in May. Mr. Skinner then read a paper on Mental and Physical Training. It dealt with the exercise of the will, and with physical exercises and massage suitable for men of over forty. A discussion followed.

Manchester Optical.—A meeting of the Manchester Optical Society was held this week, when Mr. D. R. Jones,

Manchester Optical.—A meeting of the Manehester Optical Society was held this week, when Mr. D. R. Jones, Liverpool, gave a lecture on *Photophobia and Progressive Myopia*. He criticised the attempts made to protect eyes whose retinas are sensitive from the chemical rays by blue or smoked glasses, and urged that to neutralise the action of the chemical rays a lesson should be taken from Nature, and into the lenses should be introduced a substance similar to chlorophyll, which protects plants. Such lenses, however, should not be used indiscriminately. Mr. J. C. Kidd presided over a good attendance.

Newport (Mon.).—A meeting of the Newport (Mon.) Pharmaeists' Association was held on March 3 at the Shaftesbury Hotel, the President (Mr. A. Gratte) in the chair. There were also present eight members and Mr. T. J. Badgett (Hon. Secretary). The financial statement, which showed an improvement on the previous year, was passed. Mr. Gratte was re-elected President, and Mr. Treharne Howell was elected Vice-President; the Hon. Secretary (Mr. T. J. Badgett) was also reappointed. An invitation by the Cardiff Association to a joint meeting on March 25 was accepted, Messrs. Gratte, Howell, and Harries being appointed to represent the Association.

Royal Photographic Society.—At a meeting of the Royal Photographic Society on March 9 a new two-colour method of photography in colours, known as Kodaehrome, was described by Mr. George E. Brown, F.I.C., editor of the "British Journal of Photography." Two plates sensitised for all colours are exposed in the camera either simultaneously or in quick suecession, one through a red filter and one through a green filter. These plates are developed and fixed in the usual way, after which the black silver forming the image is removed by simple chemical means. The plates are then dyed—that taken through the red filter in a green dye, and that taken through the green filter in a red dye. The plates take up the dyes in inverse proportion to the original silver deposit. They are then brought face to face and bound up in register, the combination of the two-colour images by transmitted light giving a good reproduction of the original. There is an entire absence of mechanical screen rulings and dots. Copies can be reproduced from the original pair of negatives, in which case the original negatives are preserved as negatives, master glass positives being made from them by contact in the usual way, and from them the required number of negative duplicates, which are freed from the silver and dyed as already outlined.

Southend-on-Sea.—At the last meeting of the Southend-on-Sea Association of Pharmacists Superintendent Langley Jones gave a lecture on the St. John Ambulance Association and its Work. Much interest was shown in an exhibition of a complete set of field dressings as used in different countries. A vote of thanks was given to the lecturer. The next lecture before the Association is one by Mr. Body (the President) on "Baeteriology,"

# Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts,

# Scottish Central Checking-bureau.

The first meeting of the Drug Aecounts Committee was held in the Booth Hall, St. Andrew's Square, Edinburgh, on Friday afternoon, March 5. As already announced, the members of the Committee are Dr. G. C. Anderson (Methil), Mr. B. C. Cox (Largoward, Fife), Dr. J. R. Drever (Catheart, Glasgow), Mr. John Grieve (Port Dundas, Glasgow), Mr. J. Rutherford Hill (Edinburgh), Mr. Joseph Johnstone (Lochwinnoch), Mr. G. Shiaeh Kitchin (Glasgow), Mr. R. D. McEwan (Glasgow), Mr. Alex. MaeEwan (Inverness), Mr. D. Macnab (Perth), Mr. James Murdoch (Hamilton), Bailie David O'Brien (Dumfrics), Mr. Joseph Simpson (Portobello), and Mr. W. B. Small (Hamilton). Mr. John Jeffrey (Seeretary to the Scottish Commission) along with Mr. Wight attended, Mr. Jeffrey occupying the chair at the informal meeting, and explaining the regulations affecting the working of the Committee. Before he vacated the chair, Mr. Jeffrey was asked to preside until the Committee had elected a chairman, and Mr. R. D. McEwan (Chairman of the Glasgow Burgh Insurance Committee) was unanimously chosen for that position. On the suggestion of Mr. McEwan, Mr. Wight was appointed interim Secretary, and Mr. J. Simpson was elected Vice-Chairman. After discussion, it was agreed to appoint a Sub-Committee to deal with applications for the post of Superintendent, and to report to the parent Committee. It was decided that the offices should be in Glasgow, and that the salary of the Superintendent should be at once advertised as 3001. Other Sub-Committees were appointed to deal with (n) accommodation and (b) preliminary arrangements and staff. Mr. Kitchin is Convener of the last-mentioned Sub-Committee; Mr. Hill is a member of both Sub-Committees.

# Inquiry Regarding a Panel Doctor.

Mr. J. Fischer Williams, barrister, Dr. Adam Fulton (Nottingham), and Dr. John Peere Williams-Freeman (Andover), with Mr. E. MacGowan (Clerk), sat at the offices of the Insurance Commissioners, Buckingham Gate, London, W., on March 8, as a Committee of Inquiry for the Commissioners, to hear a representation by the London Insurance Committee to the effect that the continuance on the medical panel of Dr. J. Vakil, 99 Bridport Place, Hoxton, London, N., would be prejudicial to the efficiency of the medical service under the Act. Mr. T. Mathew, barrister, conducted the ease for the London Insurance Committee, and Dr. Vakil was represented by Mr. Hempson, solicitor.

Mr. Mathew, in opening his case, said that the facts, shortly, were that Dr. Vakil, who is a member of the London County medical panel, practising in North London, endeavoured on various dates in March 1914 to get himself employed in confinements by representing to three insured patients on his panel list that the Maternity Benefit payable under the Insurance Act is not for the nurse, but for the doctor, and refused to give the necessary certificates for Sickness Benefit unless the patients employed him, thus putting illegitimate pressure on the patients. The persons concerned were insured persons in their own right.

These persons were called as witnesses, and in evidence stated that when approaching confinement they had visited Dr. Vakil, who had told them that they must employ him instead of a midwife, as the Maternity Benefit is meant for the doctor. They also stated that he had refused to give them the certificates necessary to enable them to draw Sickness Benefit unless they employed him. His charge for attending a confinement was a guinca, and he pointed out to them that if he was employed he could grant Sickness Benefit certificates to them for a fortnight or three weeks before confinement; and after paying him, and a nurse if they desired to have one, they would still have a certain sum on the right side. If they did not employ him they would forfeit all Sickness Benefit payments. The husbands of two of these witnesses gave confirmatory cyclenec.

of two of these witnesses gave confirmatory evidence.

Mrs. Annie Sharp, called by Mr. Mathew, stated that she is a certified midwife and attended the first three witnesses at their confinements. In consequence of what they told her regarding their conversations with Dr. Vakil. she placed the facts before the authorities of the Midwives'

Mr. Hempson, in opening the case for Dr. Vakil, said he felt that a very grave injustice had been done to Dr. Vakil by the Medical Service Sub-Committee at the previous inquiry, at which Dr. Vakil had not had the advantage of being represented by a solicitor. It was stated that Dr. Vakil had endeavoured by illegal means to obtain employ-

ment at confinements, but he would call evidence to show

ment at confinements, but he would call evidence to show that Dr. Vakil had actually refused such work, as he has a large panel practice and is unable to devote the time to it. Dr. Vakil, examined by Mr. Henpson, said ho is a native of Bombay and a Licentiate of Medicine and Surgery of Bombay University, and had been Lecturer and Examiner in Surgery at that University. He came to this country to take the Fellowship of the Royal Cellege of Surgeons of Edinburgh. He has been in practice at Hoxton since March 1913, and is on the London County panel. He had between 1,200 and 1,300 panel patients. He emphatically denied the allegations made against him by the witnesses, and said he refused to grant them certificates for Sickness Benefit as he did not consider they were sufficiently ill when they first applied to him. Later he did grant such certificates. Cross-examined by Mr. Mathew, Dr. Vakil by these women because of his refusal to grant them suggested that this charge had been brought against him by these women because of his refusal to grant them Sickness Benefit certificates until he considered they were really too ill to continue their work. He had reason to believe that they were put up to it by Mrs. Sharp on account of professional jealousy.

Witnesses were also called to prove that Dr. Vakil had refused confinement cases in March 1914, as he was too busy with panel work.

Addressing the Committee, Mr. Henry and the saint him by the saint had refused to be saint he committee.

Addressing the Committee, Mr. Hempson questioned the truthfulness of the witnesses for the London Insurance Committee, and suggested that it was incredible that Dr. Vakil should put himself in the hands of these women in the manner alloged having regard to his professional reputamanner alleged, having regard to his professional reputa-

Mr. Mathew briefly summed up, and the Chairman inti-mated that the Committee would report to the Commis-sioners, whose decision would be issued in due course.

# Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Winter Session.

#### ENGLAND.

Coventry.—Chemists' accounts for 1914 have been paid in full. A report recently presented to the Insurance Committee indicates that 98.623 prescriptions were dispensed during the year, distributed as follows: First quarter, 31,400; second quarter, 24,500; third quarter, 21,600; and fourth quarter, 21,123. The average cost per prescription was just ever for was just over 6d.

Croydon.-The Panel Committee has declined to acquiesce in the Insurance Committee's resolution disapproving of the "stock-mixture" clause.

Derbyshire. -The Committee of the Belper and District **Derbyshire.**—The Committee of the Belper and District Friendly Societies' Council has passed a resolution protesting vigorously against the principle of the use of stock mixtures in Insurance dispensing. A similar resolution has been passed by the Codnor District 'National Deposit Friendly Society, who also express their appreciation of the stand the chemists are making against the use of stock mixtures. Copies of these resolutions have been forwarded to the Clerk of the Insurance Committee and the Secretary of the Pharmaceutical Committee. of the Pharmaceutical Committee.

East Sussex. - The Medical Benefit Sub-Committee reported to the Insurance Committee on March 2 that for the quarter ended October 11, 1914, claims were lodged by chemists representing 23.580 prescriptions (value 762*l*.), and of these 60 (value 5*l*.) were disallowed. The average cost of prescriptions as allowed for the quarter was 7.72*d*.

**Kent.**—The Insurance Committee have issued recently new account-forms (Form D 1 Revised) to chemists, which are to take effect as from January 1, 1915. Chemists are required (1) to sort out each doctor's prescriptions; (2) to separate each doctor's prescriptions into batches according to their values: (3) to send only original prescriptions. A separate form is to be used for each doctor's prescriptions. The form is ruled in thirty-six lines for values from ½d. to 1s. 6d., with columns for the number of prescriptions and the amount. There is also three sets of money-columns (additions, deductions, net amount) for the use of the (additions, deductions, net amount) for the use of the Insurance Committee. Similar sets of columns are provided for account of prescriptions over 1s. 6d, in value.

Lancashire. - The Panel Committee at a recent meeting Lancashire.—The Panel Committee at a recent meeting dispensing for the insured for six months. The question of prescribing in terms of the metric system was allowed to stand over. It was reported that a letter had been received from the Clerk to the Insurance Committee that delay on the part of certain doctors in sending in their returns had deferred payments due to dispensing doctors for the quarter ended October 11, 1914.—At a meeting of the Insurance Committee on March 8, an invitation was received from the Blackburn Committee to send representatives to the conference to be held at Blackburn on March 19 to

consider the proposal to establish a Central Checking Burcau for Lancashire. It was stated that chemists in the county were quite satisfied with the present checking arrangements, and it was agreed that the correspondence relating to the conference should be allowed to "lie on the table." the table.

Liverpool.—An epitome of the proceedings of the Medical Benefit Sub-Committee on February 23, 24, and 25 states that certain chemists applied for further payments on account for 1914, and the Sub-Committee recommends that the applicants be informed that, pending receipt of more information from the Commissioners, no further payments can be made. The application of the Pharmaceutical Committee regarding monthly payments on account to ments can be made. The application of the Pharmaccutical Committee regarding monthly payments on account to chemists (C. & D., February 27, p. 70) was referred to the Secretary and Treasurer for report. It was reported that the number of prescriptions chargeable to the Drug Fund during the quarter ended Decomber 31, 1914, was 143,286 (value 5,620!.). Regarding the use of the new B.P., it was reported that the Panel Committee had considered the matter, and had advised the Sub-Committee that practically considered the state of the considered the state of the considered that the Panel Committee had considered the state of the considered the state of the considered that the Panel Committee had considered the state of the considered that the panel Committee had considered the state of the considered that the panel Committee had considered the state of the considered that the panel Committee had considered the considered that the panel Committee had considered the considered that the panel Committee had considered the panel Committee that the panel Committee had considered the panel Committee that the panel Committee had considered the panel considered the panel Committee had considered the panel Committee that the panel Committee had considered the panel Committee that the panel C reported that the Panel Committee had considered the matter, and had advised the Sub-Committee that practitioners who desire their prescriptions dispensed according to the B.P. 1898 should mark them accordingly. This information was passed on to the Pharmaceutical Committee. Correspondence from the Blackburn Committee, inviting the Committee to appoint representatives to attend the joint conference at Blackburn on March 19 regarding the proposed Central Checking Bureau for Lancashire, was dealt with. The Sub-Committee authorised the Chairman and Secretary to attend the Conference. It was further reported that the statement of the expenditure of the Panel Committee for 1914 and the estimate for 1915, suggesting Committee for 1914 and the estimate for 1915, suggesting that payments should be made quarterly, had been received, and had been forwarded to the Pharmaceutical Committee. The Secretary reported that one chemist had applied to be included in the panel list, and one desired to withdraw at March 31. The death of one panel chemist was also reported.

Reading.—The Insurance Committee has decided to have a complete analysis of each doctor's prescriptions carried out by the checker (Mr. E. J. George), and to ask the Panel and Pharmaccutical Committees to share the extra cost (2s. 6d. per 1,000) in the proportions previously agreed upon.—It was reported to the Insurance Committee on March 3 that 75.298 prescriptions chargeable to the Drug Fund had been dispensed in the Committee's area in 1914 (value 2.618*l*.), compared with 71,777 (value 2.293*l*.) in 1913. These were distributed as shown in the following table:

	19	13	1914		
—	No. of Scripts	Value	No. of Scripts	Value	
1st quarter 2nd ,, 3rd ,, 4th ,,	20,388 16,550 15,627 19,212	£ 593 523 516 661	24, 32 19,822 16,099 16,045	£ 935 637 516 509	

Stoke-on-Trent.—At a meeting of the Insurance Committee on February 25, Mr. F. P. Maytin, Derby, was appointed checker of prescriptions and chemists' accounts. The Medical Benefit Sub-Committee stated that an application had been received from the Pharmaceutical Committee for a further payment on account of 20 per cent. for 1914 and future monthly payments of 80 per cent. on account. It was decided to ask the Commissioners to authorise such payments. The Sub-Committee also recommended that, subject to the consent of the Commissioners, 75%. be allotted to the Pharmaceutical Committee for administrative expenses for the years 1914 and 1915. The Chairman (Alderman Brookhouse) said he could not support the minute as it stood. They had now engaged a man to do much of the work which the chemists did in 1914. He is to be paid two-thirds of his salary by the Committee, who also find office accommodation and stationery. He moved that the amount be 40t. Mr. Edmund Jones (chemist) observed that amount be 40. Mr. Edmund Jones (chemist) observed that the chemists spent an enormous amount of time and labour in 1914 to obtain information which they were asked to get by this Committee. The request of the pharmacists, therefore, was not unreasonable. The Chairman said the acceptance of the 401. he proposed would not debar the Pharmaceutical Committee from making application at a future date for any expenses incurred in 1915, and on this understanding Mr. Jones accepted the offer of 401, on behalf of the chemists.

representatives of the Pharmaceutical Committee, ten stock mixtures had been selected under the stock-mixture clause.

#### SCOTLAND.

Perth.-At the "Annual Practitioners' Meeting" held at Perth conjointly with a meeting of the Burgh and County at Ferth conjointly with a meeting of the Burgh and County Panel Committees, strong exception was taken to the estimates of the County (371. 2s.) and Burgh (191.) Pharmaceutical Committees for administrative expenses. After considerable discussion it was remitted to the Secretaries to make out a detailed criticism of the items for transmission to the Clerks of the Insurance Committees. A statement under Regulation 40 by the County Pharmaceutical Committee was forwarded by the Clerk of the Insurance Committee in respect of alloyad extravagant precedibing Committee in respect of alleged extravagant prescribing during the last quarter of 1914. It was decided to recommend to the Insurance Committee that, as the items were comparatively trivial and had been prescribed after the circular of July 11, 1914, dealing with excessive prescribing was issued, the doctors concerned should be surcharged.

**Zetland.**—The Insurance Committee approves of the Central Prescription-checking Bureau.

#### WALES.

Glamorgan.-The Panel Committee at their last meeting agreed to pay one-third of the cost of the scrutiny of prescriptions after the cost of pricing has been deducted.

(See also p. 101.)

# Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

MEDICAL STORES IN HUTS.

Mr. Tennant informed Mr. Walter Guinness, in the House of Commons on Wednesday, that at the larger hutted camps there are hut hospitals with suitable accommodation for examining the sick and keeping medical stores.

#### OPIUM FOR MEDICINAL PURPOSES.

Sir J. D. Rees asked the Under-Secretary for India on March 11 whether there is at present a serious deficiency in the supply of opium for medicinal purposes; whether prices have greatly riscn and to what extent the deficiency in stocks and the risc in prices is due to the Government policy of destroying the opium-trade.—Mr. Roberts, in reply, said he was informed that at present the market for opium for incdicinal purposes in this country and the United States is well supplied, and that prices are tending to fall. Opium for this purpose has hitherto been drawn from Persia and elsewhere, and the supply is independent of the Indian Government opium policy.

#### Absolute Alcohol.

Acland, Secretary to the Treasury, has explained to Mr. Acland, Secretary to the Treasury, has explained to Mr. Hogge that before the war very little absolute alcohol, if any, was manufactured in this country, as practically all of it came from Germany, and remained in bond until required for use. Since the war none is coming from Germany, but some is being manufactured in this country. Under the law storage duty-free in bond for delivery for home consumption would be allowed in the case of absolute alcohol manufactured by a distiller from duty-free spirit, but not in the case of absolute alcohol manufactured by a but not in the case of absolute alcohol manufactured by a rectifier from duty-paid spirit. A certain amount of the last-named spirit is now being made in this country, and in view of this fact, and having regard to the high duty, which may be as much as 26s. 5d. a gal., the Board of Customs and Excise are considering whether an alteration of the law is justified in order to enable manufacturers to bond it until required for sale.

#### Contracts with the Enemy.

Sir J. Simon on Wednesday moved the second reading of Sir J. Simon on Wednesday moved the second reading of the Legal Proceedings Against Enemies Bill, which, he explained, will provide machinery to answer the question, What is the effect of the outbreak of war upon commercial contracts which were running at the time when the war broke out, and which, had peace been preserved, would have come to be carried through in the intervening time and the time to come? The Bill is intended to provide some means by which a judicial decision can be obtained on the point in a limited number of cases, and these here on the point in a limited number of cases, and these, he felt, would be accepted as quite sufficient guide for many cases involved in the difficulty. Under the Bill it is not proposed to deal with any cases except those in which the proposed to deal with any eases except those in which the plaintiff is a British subject and the defendant, or one of the defendants, is an enemy. What the commercial community want in this matter, he added, is certainty. Once they know what their position is they could make their own arrangements, and, when the war is over, get from the Courts in the ordinary way the consequential.

relief they were entitled to. It is further provided that the Lord Chief Justice shall give directions for expediting proceedings and regulating procedure. Arrangements have been made for drawing up a special list of eases, and it is the intention of the Lord Chief Justice to nominate some particular Judge to deal with them, in order that the greatest possible despatch may be secured. The Bill was read a second time.

#### DUTY-FREE TINCTURES.

DUTY-FREE TINCTURES.

On Wednesday Mr. Bridgeman asked the Chancellor of the Exchequer if he will consider the desirability of providing in the Finance Bill for the supply of duty-free rectified spirit to hospitals for the making of tinetures under similar restrictions to those which regulate the supply of absolute alcohol free of duty for purposes of research in clinical laboratories and colleges.—The Chancellor of the Exchequer replied that the general question of the use of spirit is under consideration, but he is afraid that it will not be possible to grant this particular exemption.

Mr. Bridgeman asked if the right hon, gentleman is aware that at the London Hospital alone 256t had been spent this year upon tinctures of this kind, of which 229t, represented duty; and whether he cannot make an exemption in favour of such tinctures, if not for the whole, at any rate in favour of the solution of iodine.—The Chancellor of the Exchequer: I can supply the hon, gentleman with the reasons given by the Customs authorities and the difficulties in making a discrimination.

[Our Parliamentary correspondent adds that later in the evening the Chancellor of the Exchequer supplied the hon, member with the reasons advanced by the Customs authorities. The contention of the hon, member is that hospitals should be permitted to forward to the Customs authorities at the end of the year the amount which they have exact the supplied the properties.

should be permitted to forward to the Customs authorities at the end of the year the amount which they have expended on rectified spirit, and that a rebate should then be made. He sees no reason why chemists should not be given the same advantage.

#### THE ANILINE-DYE QUESTION.

Numerous questions have been asked in Parliament regarding the national scheme for promoting the manufacture of aniline dyes in this country. The prospectus of British Dyes, Ltd., which has been issued (see p. 86), renders it unnecessary to refer in detail to some of the questions, it unnecessary to refer in detail to some of the questions, and the replies to other questions we summarise. Indian users of dyes have been given facilities to obtain a fair share of available supplies of aniline dyes. Any discoveries made by the Research Committee of the British Dyes, Ltd., will be made available for other manufacturers under licence. Aniline dyes have been obtained from Switzerland in return for an equivalent in p-nitrotoluol. The Indian Government is not participating in the aniline-dyes scheme, but has brought the scheme to the notice of Indian manufacturers. Where permits have been granted for the importation of dyes from Germany the importers make their own arrangements as to payment, but no exchange of commodities or direct payment is made. It is not advisable to make public the exact details upon which the licences to import are granted, but the licences are only granted in very exceptional circumstances. A memorial from the Royal Society, stating that the Society is willing to organise the chemical research available throughout the United Kingdom, is receiving the careful consideration of to organise the chemical research available throughout the United Kingdom, is receiving the careful consideration of the Presidents of the Board of Trade and the Board of Education. The manufacture of synthetic drugs is not specially provided for by British Dyes, Ltd., and the President of the Board of Trade has been advised that no provision is necessary. In reply to Mr. Hewins, the President stated on Monday that, so far as he is aware, the Government are not stopping dyes going to neutral countries. He is not aware of any in transit.

On Wednesday Mr. Jowett asked the President if he will

On Wednesday Mr. Jowett asked the President if he will give particulars of the steps he has taken, if any, to facili tate the conveyance of crude by products from this country to Switzerland for the purpose of being manufactured into aniline dyes.—Mr. Runciman replied that an official conaniline dyes.—Air. Runeiman replied that an official obsiginor has been appointed to systematise shipments from this country and to deal with the difficulties of transport by land and sea, which, owing to the congestion arising out of the war, has been considerable. Owing to his efforts the shipping difficulties have, it is believed, been largely overcome. The Railway Executive Committee are giving facilities for despatch of the materials in question on railranted facilities in respect of the transit in question on tall ways in this country, and the French Government have rranted facilities in respect of the transit through France. Further steps to ensure the expeditious interchange of products are now under consideration, and the formation of the same company will be belong greatly simplify the the new company will, he hopes, greatly simplify the problem.

CAPE ARGOL.—The exports from the Union of South Africa during 1914 amounted to 124,519 lb., (2,5991.), against 209,133 lb. (4,505l.) in 1913.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

In regard to quotations for synthetic chemicals and other products obtained hitherto chiefly from Germany and other Continental countries now engaged in war, it should be noted that some of these are strictly nominal, and are not general, but are prices of limited supplies quoted by individual holders and second-hand deaters. Most offers at present made by circular are "without engagement," and subject to the articles being unsold. In many instances higher prices than those quoted in this Report, for various reasons, are being paid.

### 42 Cannon Street, E.C., March 11, 6.30 p.m.

FAIR amount of business is being done in chemicals A and drugs, the values of which are still on the upward trend. This especially applies to synthetic chemicals, the stocks of which are becoming temporarily depleted, with prices irregular and unsettled from day to day. It is believed there will be increasing difficulty in obtaining supplies from America owing to the new aspect of the war depriving her of fresh imports of German products; already there has been a falling off in imports from the U.S.A. A heavy export demand for aspirin has led to a further advance, and the market has been excited. Metnyi-salicylate, phenacetin, and phenazone are also dearer on the week. Pyrogallic acid, hydroquinine, and tartar emetic are offered at cheaper prices. Among the heavy chemicals caustic soda has advanced a further 11. per ton owing to dearer fuel and labour. Yellow prussiate of potash is a trifle easier, and American potashes have dropped 5s. per cwt. Acetone is very scarce on spot and dearer. Ammonia sulphate is irregular at outports; Chinese antimony, both black sulphide and regulus, continue to advance. Among drugs, copaiba, balsam tolu, and Peru are firmer on American cables, the latter being especially scarce on spot. Both cascara sagrada and senega are dearer. Lemon and bergamot oils are on the casier side, orange being unchanged. The unsealing of the Dardanelles increases the prospect of getting supplies of Russian drugs via the Black Sea, and the sentiment in regard to these is easier. Cod-liver oil has had a sensational advance, due, it is said, to large German buying. Opium is easier, but morphine and codeine are very firm markets, makers only booking forward. Florentine orris to arrive is cheaper, and the concrete oil has been reduced. Sandalwood oil is dearer for prompt delivery; cumin oil is very scarce. The chief movements have been as under:

Higher	Firmer	Easier	Lower
Acetone Antimony Aspirin Bromides Caseara Cod-liver oil Cumin oil Linseed oil Mustard-seed (Eng.) Methyl sal, Phenacetin Phenazone Senega	Balsam Peru Balsam tolu Copaiba Nutmeg oil Oxalic neid Sandalwood oil Shellac	Bergamot oil Opium Potash prussiate Turpentine	Clove oil Hydroquinone Isinglass Lennon oil Orris (c.i.f.) Orris oil Potashes Pyrogallic acid Tartar emetic

An auction of drugs will take place next Thursday, March 18.

The Continental Drug and Chemical Market Letter will be found in our Coloured Supplement.

### Cablegrams.

Bergen, March 10.—The cod-fishing has proved rather under middling during the week. The market for finest non-congealing oil has considerably advanced, 175s. per barrel c.i.f. and upwards being quoted.

New York, March 10.—Business in drugs is active. Opium is lower at \$7.60 per lb. for druggists'. Peppermint oil in tins is steady at \$1.55. Menthol has advanced to \$3.00 per lb. Balsam tolu is dearer at 40e. Belladonnaroot has been reduced to \$1.10 per lb. Cartagena ipecaeuanha is easier at \$1.90. Oregon balsam has been reduced to 70e.

### London Markets.

ACETANILIDE.—Business has been done at 3s, per lb., with 3s, 3d, asked. English makers are reported to be unable to give prompt delivery.

ACETIC ACID. Present quotations are glacial 98-per-cent., 45%. 10s. per ton; 93-per-cent., 46%; pure 90-per-cent., 41%. all in earboys; pure 90-per-cent., 39%; 80-per-cent., 34%; 60-per-cent., 24%, in 5 to 6 cwt. casks technical, 80-per-cent., 21%. 10s.; 60-per-cent., 23%. 10s.; and 40-per-cent., 15%. 15s. per ton, in 5 to 6 cwt. casks.

ACETONE is dearer, pure in accordance with B.G. specification offering to arrive at 115*l*, per ton in drums. Spot is very scarce.

ACETYL-SALICYLIC ACID (ASPIRIN).—A heavy export demand has depleted the spot stocks to a large extent, so that prices have rapidly advanced, up to 15s. having been paid on an excited market. Further supplies are coming forward from neutral countries shortly.

ALMOND OIL.—Sweet expressed (B.P.) oil remains steady at from 2s. 8d. to 2s. 9d. per lb., as to quantity, no change being anticipated for the present; bleached expressed is 2s. 11d.; essential Bitter from true almonds is 21s.; s.a.p., 24s. Peach or Apricot kernel oil is quoted 1s. 2d. to 1s. 3d. net, and bleached 1s. 4d.; artificial oil of bitter almonds (from peach or apricot kernels) is very scarce and dear, at 18s. net and s.a.p. 21s. net.

ALOES.—Curação in cases are scarce and inquired for, with a few of pale liver offering at 77s.; hard Socotrine in kegs are obtainable at 45s. Cape are slow of sale, firsts offering at 35s.

AMMONIA SULPHATE.—The London price remains unchanged at 13/. 5s. per ton for grey 25-per-cent, net naked at works for prompt delivery. Prices at out-ports are irregular owing to freight difficulties: IIull, 24-per-cent, is 13/. 12s. 6d.; Liverpool, 13/. 15s.; Leith, 14/. to 14/. 2s. 6d., less 3½ per cent, in bags f.o.b.

ANISEED.—Spanish is quoted 41s. per ewt. on the spot.
ANIMONY.—Chinese crude is now 39/. 10s. per ton spot,

and to arrive 361. 10s. net c.i.f.

ARSENIC is firm, at from 18t. to 19t. per ton for best Cornish powder in barrels and kegs respectively.

Balsan Peru.—The spot supply is quite exhausted: 10s. 6d. has been paid for quite a retail sale. To arrive 10s. to 11s. c.i.f. is quoted

Balsam Tolu has advanced to 1s.  $10\frac{1}{2}d$ , per lb. e.i.f., and on the spot the value of good hard is 2s. 3d. per lb.

Barritone for delivery in about a week is quoted at 33s. to 35s. per lb. net.

Barium Chloride.—To arrive crystals or powder is offered at 14s, per cwt. in barrels.

Belladonna Root and Leaves.—It is stated that Germany and Austria have prohibited the export, requiring their supplies for home consumption. There is practically nothing offering on spot.

BENZOIC ACID ex toluol is offered at 5s. 6d. to 6s. ex wharf.

Benzoin.—The stock of all descriptions at the end of February was 932 cases, against 673, and is the highest since 1911: the deliveries in February were 144, making a total of 244 packages for two months, against 405 for the corresponding period of 1914.

BERGAMOT Oil is easier at 110s. 3d. per lb. c.i.f. for oil containing 38-per-cent. esters.

Browndes.—British makers advanced prices by 3d. per lb. last Thursday, and now quote potassium and ammonium at 3s. 6d. and sodium at 3s. per lb. net in minimum lots.

BUCHU.—The exports from the Union of South Africa during December 1914 amounted to 6.618 lb. (9831.), against 13,694 lb. (2.3541.) in December 1913. For the twelve months ended December the exports were 149,113 lb. (27,5581.), against 163.812 lb. (32,0711.), or 14,699 lb. less.

CAUPUT OIL.—Business has been done at 2s, 11d. per lb. on spot.

CANARY-SEED is quiet, but steady, at 100s. per quarter for fair quality.

CARAWAY-SEED is firm, at 33s. to 35s. per cwt. for ordinary to good Dutch on the spot.

CARDAMOMS.—The stock at the end of February was 1,678 packages, against 578; the deliveries last month were 384, making a total of 567 for the first two months of this

CASCARA SAGRADA.—A very fair quantity has been sold this week on spot at 42s. 6d. to 45s. for three-year-old, and for old bark 50s. is wanted. The London stock in first-hands at the end of February amounted to 124 tons, against 258 tons in 1915. Nine tons were delivered in February, and the deliveries this year have been 14 tons.

CELERY-SEED is quoted 67s. 6d. per cwt.

CHLORAL HYDRATE.—Crystals in jars now on the way offer at 5s. 6d. to 6s. net per lb. duty paid, and for Liebrich's 7s. net ex warehouse London is quoted. Supplies are Supplies are coming in freely from Switzerland, which will help to keep prices at a reasonable level.

CINCHONA.—The bark shipments from Java to Europe during February were 1,577,000 Amst. lb., against 1,144,000 Amst. lb. in 1914; the total shipments for January-February now amount to 2,344,000 Amst. lb., against 2,969,000 Amst. lb. in 1914.

CITRONELLA OIL.—Java is quoted at 3s. 6d. per lb. c.i.f., and spot prices are from 4s. to 4s. 6d.

CLOVE OIL.—The quotations of English distillers is now 4s. 2d. per lb. for large quantities.

COCAINE.—Limited supplies of hydrochloride are expected in a few days, which will be available for March delivery. Prices are very irregular meanwhile.

COCA-LEAVES.—The exports from Java to Europe during February were 3,280 packages, against 2,199 packages in 1914; this gives a total of 5,450 packages for the two months, against 6,554 packages in 1914.

COCOA-BUTTER.—At auction 200 cases (Payne's) sold at from Is.  $3\frac{5}{8}d$ . to 1s.  $4\frac{1}{8}d$ .

COD-LIVER OIL .-- A dramatic change has taken place, sudden and rapid advance having startled the market, due, it is said, to the fact that Germany has bought eonsiderable quantities of erude oil for industrial purposes. Early in the week business was done in a well-known brand of new Lofoten oil at 128s. e.i.f., and later at 165s. e.i.f., but it could not be repeated, and on Thursday agents' quotations varied between 175s. and 200s. e.i.f., the market being difficult to operate in, with several agents not offering.

Writing on March 1, our Bergen correspondent states that the results of last week's cod-fishing were only middling, barely 3½ millions of cod, but as the yield of oil is very rich this year the new oil-production is a trifle above that of last year. To-day's report give the following details:

	1912	1913	1914	1915
Catch of cod (millions)	20.6	10.6	<b>1</b> 2 4	11.4
Yield of e.l.o. (hect.)	18,000	8,300	11,200	12,200
Yield of liver for raw oils			-	
(heet.)	3,700	2,900	3,500	2,600

There is still little business being done, but the rate of 115s. per barrel c.i.f. terms is well maintained, and even occasionally more is paid. (See cable.)

According to cabled advices received from Norway, the

official statistics up to March 6 are as follows:

	Livers	Yield of
Catch of	for raw	e.l.o.
eod	oils (heet.)	(heet.)
Lofoten, 1915 4,500,000	 548	4,040
do. 1914 3,900.000	 441	3,307
Whole country, 1915 16,500,000	 3,240	. 16,136
do. 1914 18,100,000	 4,477	. 15,424

CODEINE.—Makers are unable to accept further orders for prompt delivery, naming July-August as the carliest possible. The value of the pure alkaloid is about 23s. 6d. per oz., the hydrochloride and sulphate 21s. 6d., and the phosphate 20s. 6d. per oz.

COPAIBA is firmer at 1s. 8d. pcr lb. e.i.f., and spot is from 1s. 9d. to 1s. 10d.

CORIANDER-SEED is firm, at 12s. 6d. to 13s. per cwt. for

fair Morocco.
Cumin Oil is very searce, and dcarer at 25s. per lb. for English distilled.

DIAMIDOPHENOL.—Hydrochlor, is quoted to arrive at 16s. 6d. net.

Ergor appears to be fairly plentiful, and the embargo on the crude drug (not the medicinal preparations) helps to keep prices on the easy side. New Russian is offering at

FORMALDEHYDE is quoted at 51s. per cwt. in casks for 40-per-cent. by volume.

FORMIC ACID.—Technical (90-per-eent.) is quoted 55s. per cwt. in carboys.

Fennel-seed is quoted 27s. 6d. per cwt.

Fenugreek-seed is steady, at 10s. 6d. per ewt. for good Moroceo.

Gallic Acid of B.P. quality is selling for prompt delivery at 3s. 6d. per lb.

Galls.—Business has been done in Persian blue at 80s. on the spot.

Gamboge.—The stock at the end of February was 102 packages, against 55; deliveries have been small this year, only 11, against 35 last year.

GERANIUM OIL.—A dull market at from 10s. 3d. to 10s. 6d. per lb. spot for Bourbon of well-known brands.

GUAIACUM.—The stock at the end of February was 75, against 62, being the largest for the previous five years.

GUINEA-GRAINS are quite unobtainable on the spot.
GUM ACACIA.—The stock of all descriptions at the end of
February was 9,005, against 5,497 packages: the deliveries
this year have been good—2,531, against 1,866 packages.

HEXAMINE is quoted at 3s. 6d. per lb. ex warehouse London. Hydroquinone is offered at 7s. to 7s. 6d. per lb. net in at least 56-lb. lots.

IODINE.—There is an active demand, with makers booking orders for resublimed for May delivery at 15s. per lb.

IPECACUANHA.—The Alcantara has brought 26 bales from Montevideo to Liverpool. The London stock at the end of February consisted of 60 Matto Grosso, 34 East Indian, and 111 Cartagena, against 130, 49, and 102 packages respectively in February 1914. The deliveries in February were 25 Matto Grosso, 13 East Indian, and 21 Cartagena, making a total for the first two months of the year of 27, 21, and 28 packages respectively.

LEMON OIL.—Sieilian shippers again offer at easier rates—viz., 3s. 6d. per lb. up to 4s. 2d. e.i.f.; spot priees are unaltered at from 4s. 3d. to 4s. 9d.

A Sieilian advice, dated March 6, reports: "The general quietness of which we have spoken in previous reports still prevails, although some orders came in from foreign eentres as soon as low prices could be quoted. However, very few transactions have taken place locally, because buyers have remained apathetic, and holders and producers have been very reserved during the last few days. One of the causes of this alcofness is owing to the increased exportation, increased demand, and the better prices obtainable for fresh fruit. It is generally believed in Sicily that not the least important reason of this movement is to be found in the anticipated reopening of the Dardanelles, and several speculators foreseeing the respening of direct exportation to Russia. This makes holders and pressers of lemon oil believe that the values must follow the same course as fresh fruit. During the last few days there has been a pause in the upward movement in foreign exchange; in fact,

there has been a slight recession." Lead Acetate.—White in small crystals is offered at 37l. 10s. per ton in casks.

LINSEED is firm, at 57s. 6d. to 62s. 6d. per quarter for good to fine quality.

LINSEED OIL has sharply advanced, pipes on spot closing at 32s, 3d. and barrels 33s.
Lithopone.—"Red Seal" (30-per-cent.) is quoted at

171. 10s. per ton in casks.

Menthol.—The spot value of Kobayashi is 11s. 3d. per lb.;

for March-April shipment Suzuki is quoted 9s. 9d. c.i.f. and mint oil 2s.  $10\frac{1}{2}d$ . e.i.f.

The exports from Japan during December amounted to 22,244 kin (November 4,978 kin), valued at 107,538 yen. For the twelve months ended December 31 the figures are as

1019 1013 1014

232 912

2,872,854

269 266

1,816,026

		1912	1910	1314
Kin		133,170	232,912	269.266
Yen	1,	589,729	2,872,854	1,816,096
The destinations	were	as follows	s:	
		1912	1913	1914
		Kin	Kin	Kin
British India		8,027	10,448	13.906
Great Britain		39,624	63,441	42,720
France		12.289	28,469	22.329
Germany		45.261	79,102	82,600
U.S.A		25.674	41,461	89 496
Other countries		2,295	9,991	18,215
other committee	***			

133.170 ... 1,589,729

Kin

Yen ...

METHYL SALICYLATE is offered at 6s. 6d. to 7s. per lb. on the spot and 6s. 6d. net to arrive, at which business has been done. At present there is a genuine scareity, and the price is likely to go still higher. French make is expected to be available about May.

MORPHINE.-Makers are unable to accept orders for prompt delivery, naming July-August as the earliest possible; second-hands offer hydrochloride powder at 13s. 3d. and eubes at 13s. 5d. per oz. net.

MUSTARD-SEED .- English yellow is dearer, with sales at 41s. to 42s. 6d. per ewt.

NEROLI OIL.—Genuine French of finest quality is selling at 12s. 6d. per oz.

OFIUM is likely to be an unsettled market until July-August, when the new Turkey crop will be on the market. Meanwhile, events in the Dardanelles have given an easier Meanwhile, events in the Dardanelles have given an easier tone to the market, there being offers of 11-per-cent. from Greece (through which ports the business is now being done) at about 19s. 6d. per lb. c.i.f., and even a trifle less on a firm order. The spot value of Turkey druggists' is about 25s. with a retail business. Persian is steady at between 18s. and 22s. on the spot, as to test.

ORANGE OIL is steady, at from 5s. 6d. to 5s. 9d. e.i.f. and 7s. 6d. on the spot.

Orris.-Good Florentine sorts are offered at the lower rate of 43l. per ton e.i.f. to arrive.

ORRIS OIL.-Concrete is eheaper, English distillers offering at 21s. per oz.

PARAFORMALDEHYDE.—Powder is quoted at from 3s. 3d. to 38. 6d. per lb. in tins to arrive; there is a fair demand.

PARALDEHYDE is quoted at 6s. 6d. per lb. net ex wharf London.

PEPPERMINT OIL.—American in tins is unchanged at from 7s. to 7s. 3d. spot, and H.G.H. is 12s. 6d. to 12s. 9d. spot. The growers are exercising a little more caution in making sales at primary sources.

PHENACETIN is selling at from 12s. 6d. to 13s. per lb. on the spot, but some ask higher than the foregoing.

Phenazone.—A fair supply is coming forward from neutral countries and by the shortest available routes. Business has been done at advancing prices up to 13s. 6d. to 14s. per lb.

POTASH CHLORATE.—Spot prices vary from 1s. 6d. to 1s. 8d. per lb. for ordinary, and up to 2s. for santonin crystals.

POTASH IODIDE.—The exports from Japan during December amounted to 16,962 kin, valued at 124,196 yen.

Potash Salts.—Metabisulphite is quoted at 95s. per ewt. Carbonate, dried (for photographic purposes), 9d. per lb. Permanganate, small crystals 1s. 3d., large ditto 1s. 4d. in drums; yellow Prussiate crystals, 1s. per lb. in easks.

Potashes are cheaper, at 65s. per cwt. for first Government branded on spot. The embargo on the exports of potash salts from Germany has resulted in an advance of from 30 to 50 per cent. in America.

Pyrogallic Acid.—Resublimed is offered at 6s. 6d. to 7s. per lb.

RESORCIN is offered at from 5s. 6d. to 6s. 6d. per lb.

Salicylic Acid is quoted at 7s. 6d. per lb. net for prompt delivery ex wharf London; some ask 8s.

Sandalwood Oil.—We understand that at the Mysore auctions the bulk of the offerings were withdrawn owing to the absence of Continental competition and the fact that other buyers' ideas of value were considerably below the limits. The present stocks of wood will therefore have to last until August or September, when the Mysore Government may be induced to moderate their views. On the spot the demand for sandalwood oil has improved, and the rice for prompt delivery is firmer, the value of that distilled from E.I. wood being from 19s. 6d. to 20s. per lb.

SANDARAC.—The stock at the end of February was 767, against 181 packages, the large arrivals recently (February, 346) being responsible. Deliveries this year have been

346) being responsible. Delivesmaller, only 172, against 223.

SARSAPARILLA.—The arrivals at the warehouse include 1 bales of "Crown" Honduras, the limit for which is 11 bales of "Crown" Honduras, the limit for which is 2s. 2d. A few bales of Lima and grey Jamaica have arrived; the values are 1s. 9d. and 1s. 11d. respectively. Native Jamaica is fairly plentiful.

SENEGA is dearer, with fair spot sales up to 2s. 3d. per lb., and 2s. 6d. asked at the close; to arrive 2s. c.i.f. is quoted.

SENNA.—The stock of all descriptions at the end of February was only 485 packages, against 1,214 packages: the deliveries last month were 542 packages, making a total of 601 for the first two months of the year, against 1,027 for the corresponding period of 1914.

Soda Caustic.—Owing to the increased cost of fuel and labour, English makers' prices have advanced a further II. per ton for both home and export. Current rates are: Home trade, 70 to 72 per cent., 101. 15s. to 111. per ton, Home trade, 70 to 72 per eent., 10l. 15s. to 11l. per ton, and 60 to 62 per cent., 9l. 10s. to 10l. per ten, in 5 to 7 cwt. drums, f.o.r. at works. Export prices are: 77 per cent., 10l. 7s. 6d. to 11l. 12s. 6d.: 76 per cent., 10l. 5s. to 11l. 10s.; 70 to 72 per cent., 9l. 10s. to 10l. 15s.; and 60 to 62 per cent., 9l. 10s. to 10l. 15s.; and 60 to 62 per cent., 8l. 10s. to 9l. 15s. per ton f.o.b.

SODIUM SALICYLATE. - There was an offer by circular on Wednesday by a well-known firm of agents at 7s. 6d. per lb. net for powder now in transit from the United States, but it must be remembered that such offers, like many others, are "without engagement," and subject to being unsold with the goods not available for probably a month in the present congestion. From prompt delivery up to 11s. has been paid.

Sodium Salts.-Hyposulphite, small crystals are offered at 91. 15s. per ton in barrels. Acctate crystals at 231. per ton in casks.

SULPHOCARBOLATES.—Sodium and (or) zinc is offered at 1s. 6d. per lb. net.

TANNIC ACID for prompt delivery is quoted 4s. 6d. net

TARTAR EMETIC is offered at 1s. 10d. to 2s. net for 43 to 44 per cent. ex wharf London.

TERPENE HYDRATE is offered at 2s. 3d. nct ex wharf London.

TERPINEOL is offered at from 2s. 3d. to 2s. 6d. per lb.

TURPENTINE has been irregular, but cheaper on balance, American closing to-day (Thursday) at 41s. 6d. on the spot. Vanillin of American make is offered to arrive at 24s. per lb. net; spot price is about 27s. 6d.

### Arrivals of Chemicals and Drugs.

During the period March 4 to 10, inclusive, the following produce has arrived at the English ports enumerated below. Goods in transit are not included. The figures denote packages where not specifically described:

To London.
Acetic acid (Rotterdam) blns.
416, eks. 18, (New York) brls.

10'
"Acids" (Portland, Mc.) brls.
37, pkgs. 30
Ajowan-seed (Calcutta) bgs. 160
Albumen (Shanghai) cs. 27
Aloes (Mossel Bay) 30
Aniline dyes, colours, etc.
(Rotterdam) pkgs. 30, (Amsterdam) cs. 46
Apise (Hang-Kong) cs. 30

Anise (Hong-Kong) cs. 30 Anise oil (Hong-Kong) cs. 285 Antim. oxide (Bordeaux) cks. 10, (Shanghai) tons 937

Antimony ore (Singapore) bgs. bgs. Tre, (Cape 1,954

1,954
Argol (Catania) bgs. 176,
(Naples) bgs. 351, (Cape
Town) 10
Barium ehlorate (Genoa) brls.

Barium peroxide (Rotterdam) eks. 18 Barium salts (Rotterdam) pkgs.

400
Bergamot oil (Sicily) ½ cs. 4
Bismuth ore (Sydney) cks. 4
Borate of lime (Mejillones)
bgs. 26,535
Buchu (Cape Town) bls. 17
Canary-seed (Morocco) bgs.
2,017, (Buenos Ayres) 517
Cantharides (Hong-Kong) 20
Caraway seed (Rotterdam)
bgs. 20
Cardamoms (Colombo) es. 120,

Cardamoms (Colombo) es. 120, (Bombay) 80

(Bombay) 80
Casein (Bordeaux) bgs. 150
Cashew-nuts (Bombay) 263
Cassia lignea (Heng-Kong) 750
Cassia oil (Hong-Kong) es. 30
Castor oil (Malta) brls. 35
Chemical products (Treport)
pkgs. 93. (Rotterdam) 10,
(Havre) 32, (Paris) cbys. 6,
es. 10

(Havre) 52, (Paris) coys. 6, cs. 10
"Chemicals, medicines, perfumery, ctc." (New York) pkgs. 1,215
Cinchona (Lisbon) pkgs. 18, (Amsterdam) bls. 601
Cinnamon (Colombo) pkgs. 2,144

2,114

Cloves (Penang) es. 15 Cochineal (Las Palmas) 11

Coconut oil (Colombo) pps. 654, drms. 7, pns. 89, hds. 68, (Amsterdam) cs. 300 Cod-liver oil (Rotterdam) cs.

Coriander-seed (Casablanea)

Coriander-seed (Casablanea)
bgs. 5,194
Cream of tartar (Genoa) cks.
26, (Bordeaux) eks. 6, (New
York) cks. 40
Cubebs (Bon.tay) 10
Cumin-seed (Saffi) bgs. 168,
(Casablanea) 43
Divi-divi (New York) 162
Drugs, etc. (Boulogne) pkgs.
32, (St. John, N.B.) 8
Ergot (Oporto) 4
Essences, fruit (Rotterdam)
pkgs. 32
Essential oils (Hong-Kong) es.
20, (Rotterdam) cs. 8, (New

20, (Rotterdam) cs. 8, (New York) 37, (Amsterdam) 5, (Messina) pkgs. 315 Eucalyptus oil (Sydney) pkgs.

Fenugreek-seed (Casablanea)

2,710

Formie aeid (Rotterdam) 36

Fusel oil, drms. 83

Galls (Hong-Kong) es. 25

Gambier (Singapore) es. 340

Ginger (Hong-Kong) 200

Glueose (New York) pkgs. 1,835

Glycerin (Auckland) dms. 14,

(Rotterdam) drms. 35

Gum acacia (Bombay) bgs. 417

Gum copal (Rotterdam) bgs. 1,354, bkts. 237

Gum damar (Bombay) 59

Gum kamar (Bombay) 59

Gum kauri (Auekland) sks. 445, es. 74

es. 74
Gums, undescribed (Morocco)
bgs. 61, (Lisbon) 14
Hops (Dunkirk) pkgs. 1,328
Indigo (Karaehi) es. 32,
(Madras) 81, (Bombay) 62,
(Calcutta) bxs. 28, es. 161
Ipecacuanha (Buenos Ayres)

bls. 15

bls. 15
Lemon-juice (Messina) pps. 15
Lemon oil (Syracuse) es. 4,
½ cs. 68
Linseed (Shanghai) bgs. 3,360,
(Moroceo) bgs. 2,144, (Bombay) 2,464, (Buenos Ayres)
1,750, (Calcutta) 12,882
Liquorice-paste (Catania) cs.
19, (New York) es. 200

4,100

undescribed (Genoa)

carb. (Copenhagen) cks. 56; portash salts (Gothenburg) brls. 30; soya-beans (Darien) bgs. 85,778; zine oxide (Rot-terdam) 50. To Aronmonth. —Sova-beans (Darien) bgs. 20,045. To Bristol.—Calcium carbide (Fredriksstad) dms.

600; caraway-seed (Amsterdam) bys. 90; eream of tartar (Bordeaux) cks. 14; mineral white (Bordeaux)

mineral whith (Bordeaux)
100; rosin (Bordeaux) eks.
515; tartar (Bordeaux) eks.
44. To Folkestene.—Perfumery (Dieppe) pkgs. 9,
(Calais) 6; saccharin (Dieppe) pkgs. 9. To Goole.
—Maira starch (Retterdam)
cs. 570. To Preston.—

cs. 570. To Preston.—
Ammon, nit. (Skien) eks. 554;
ealcium earbide (Skien) dms.
500, (Christiania) dms. 1,830,
To Southampton. — Casein
(Cherbourg) bgs. 11: drugs
(Hayre) es. 6; herbs (St.
Malo) es. 32: lithopone (Rotterdam) 50; milk-sugar
(Cherbourg) es. 10; zine oxide
(Rotterdam) 50

(Rotterdam) 50

100

Liquorice-root (Messina) bls. 16 Coconut oil (Marseilles) brls. Magnesite (Holland) bgs. 225 474 Menthol (Yokohama) cs. 37 Cream of tartar (Bordeaux) Cream of tartar (Bordeaux) cks. 13, (Marseilles) cks. 60, (Barcelona) cks. 10 Dividivi (Pisco) sks. 100, Curação) 83 Menthol and mint oil (Kobe) Milk-sugar (Amsterdam) 100 Mineral white (Bordeaux) bgs. Drugs, medicines, etc. (Havre) cs. 287, (New York) cs. 254, (Boston) cs. 85 Mint oil (Yokohama) es. 127 Niger-seed (Bimlipatam) bls. 3,070 Gums, u bgs. 100 Nut oil (Rotterdam) eks. 15
Nux vonnica (Bombay) bgs.
117, (Calcutta) 150
Olibanum (Bombay) es. 113
Olive oil (Genoa) cs. 20, brls.
3, (Valencia) brls. 16,
(Seville) brls. 53, (Malaga)
brls. 38, (Tarragona) brl. 54
Opium (Bombay) es. 203, (Calcutta) 10, (Colombo) 14
Orris (Saffi) brs. 28
Oxalio acid (Rotterdam) cks.
10, (Fredriksstad) cks. 40
Peppermint oil (New York) es. 42
Perfumery (Boulogne) es. 33. Nut oil (Rotterdam) cks. 15 Ipecacuanha (Monte Video) bls. 26
Lead, oxide (Havre) cks. 13
Lime citrate (Demerara) bgs. Magnesite (Rotterdam) bgs. Mineral white (Bordeaux) Mineral white (Bordeaux) 100 Olive oil (Genoa) cs. 12, (Bor-deaux) cs. 212, (Leghorn) cs. 75, (Marseilles) cs. 45, (Malaga) brls. 538 Palm-kernels (W.C. Africa) bgs. 28,576, tons 230 Palm oil (W.C. Africa) cks. 1,302 Perfumery (Boulogne) cs. 33, (Havre) 43, (Paris) 9 Petrolatum (New York) brls. Potash salts (Rotterdam) 17 Portash safts (Rotterdam) 17
Roots (New York) bls. 23,
(Vera Cruz) bgs. 42
Rosin (Savannah) brls. 1,000
Soda chlorate (Genoa) brls. 50
Soda nitrate (Iquique) bgs.
5,453, (Caleta Buena) 5,362,
(Taltal) bgs. 22.397
Soya-beans (Vladivostok) tons Pimento (New York) 165 Potash bromide (New York) es. 100 cs. 100
Potash carb. (New York) 24
Potash, caustic (New York) cks. 22, dms. 42
Potash chlor. (Genoa) brls. 40
Potash prussiate (Rotterdam) cks. 15, (Amsterdam) 61
Potash salts, various (St. John, N.B.) brls. 15
Quinine (Rotterdam) ca. 70 Tartaric acid (Genoa) cks. 104, (Bordcanx) cs. 10, (Marseilles) brls. 16
Wax, bees' (Talcahuano) 7, (Valparaiso) 16
Zine oxide (New York) 500
To Munchester.
Coconut oil (Bombay) cs. 262
Dextrin (Philadelphia) bgs. 215, (Rotterdam) 500
Farina (Rotterdam) bgs. 1,877
Formic acid (Rotterdam) 60
Liusced (Buenos Ayres) tons 492 Tartaric acid (Genoa) cks. 104, N.B.) brls. 15
Quinine (Rotterdam) cs. 70
Rape-seed (Karachi) bgs.
27,204, (Shanghai) 1,120
Rape-seed oil (Japan) cs. 2.990
Rhubarb (Shanghai) cs. 200
Roots, barks, herbs, ctc.
(Bombay) bgs. 77, (New
York) 53; roots (Barcelona)
16; dried herbs (Genoa) 34
Rosin (Bordeaux) 450, Rosin (Bordeaux) .(Pasages) 851 Lithopone (Rotterdam) 100
Magnesite (Rotterdam) 40
Potash earbonate (Gothenburg) brls. 20
Rosin (Savannah) brls. 1.400
To Mull.—Castor-seed (Bombay) bgs. 5,600; chemical prod. (Dunkirk) cks. 275, (New York) brls. 54; chlorophyll (Copenhagen) bxs. 5; cocoa butter (Amsterdam) 40; fatty acids (Rotterdam) eks. 15; ferro cyanide (Copenhagen) cks. 15; ferro cyanide (Copenhagen) cks. 15; iinseed (Bombay) bgs. 4,928; maize starch (Rotterdam) es. 500, potash carb. (Copenhagen) cks. 56; potash salts (Gothenburg) Saffron (Volencia) cs. 3
Saltpetre (New York) bgs.
126, (Calentta) 4,250 Sandarae (Mogador) brls. 147, bgs. 82 Seedlae (Calcutta) 50 Shellae (Calcutta) 786; garnet Soda benzoate (Rotterdam) cks. 20
Soda crystals (Uddevalla) cs.
57, cks. 58
Soda nitrate (Mejillones) bgs.
10,508, (Tocopilla) bgs. 22,243
Soy (Japan) cks. 230
Soyu-bean oil (Japan) es. 10,100
Soya beans (Vladivostok) bgs.
7,178, (Japan) bgs. 6,421
Sulphur (Catania) bgs. 1,855
Tartar (Barcclona) brls. 85, cks. 135, bgs. 92 Tartar (Barcelona) brls. 85, cks. 135, bgs. 92 Tartar emetic (New York) brls. 20 brls. 20
Tragacanth (Bombay) bgs. 277, cs. 10
Wax, bees' (Rotterdam) nkgs. 65, (Shanghai) cs. 48, (Hong-Kong) cs. 34, (Bilbao) 10, (Lisbon) 115, (Mozader) bgs. 75, (Saffi) 35, (Melilla) 8, (Bombay) 212, (Mazagan) 7, (E. Africa) bgs. 376
Wax, vey, (Japan) 225
Wood oil (Hong-Kong) cks. 10, (Shanghai) 69
Zinc oxide (Rotterdam) cks. 1,410

To Literneel To Linerpool
Acetic acid (New York) 27
Alnuma oxide (New York) 124
Anisced (Talcahuano) bgs. Amsted (Internation 1988, of Canary-seed (Cadiz) logs, 416 Castor oil (Calcutta) cs. 225 Chillics (W.C. Africa) 25 Cocaine (Salaverry) cs. 6 Cochineal (Pisco) logs, 61

Kemball. Bishop & Co., Ltd.—The directors have declared a dividend of 6 per cent. on the ordinary shares for the year, placing 16,401% to reserve, 3,210% to other accounts, and 6,421% is carried forward. —Correspondence

### Memoranda for Correspondents.

Communications should be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed, even when the writers use a "nom de plume."

Complete and systematic indexes of the "C. & D." are presented with the last issues in June and December each year. Every subject dealt with week by week is included, and correspondents are advised to refer to these and the "C. & D. Diary" before asking the Editor for information, so as to save time.

The Trade-mark "Aspirin."

SIR,—Why worry over this matter? Add the letter "g" and use an English word, "Aspiring," in which no one could claim trade-mark rights—an appropriate title at present, Yours, etc., GRANT ROBERTSON. Preston.

SIR,—With reference to your comment on Mr. Swindells' letter in last week's CHEMIST AND DRIGGIST, we would point out that the plain ruling was that the word "Aspirin" has been avoided until the Board of Trade shall otherwise order. We think there can be little doubt that this ruling means that the Board of Trade at the end of the war may, if they think fit restore the various trademarks now avoided or think fit, restore the various trade-marks now avoided or suspended. In this connection we would refer you to the report of the "Pebeco" case in Column 2. p. 69, of The Chemist and Druggist for September 26, 1914, where the Countralian mode the following results:

Controller made the following remark:

"The view that occurs to me is that if you get permission to use 'Pebeco,' you will be reserving the trade against the time when the war is over. Would it not be better for British trade to cut it out by a new tooth-paste of your

The above suggestion occurs to us as most apposite in considering the claims of "Salaspin" versus "Aspirin."

We are, yours truly.

Bardsley Vale, Lanes.

SIR,—We have read with interest Mr. Swindells' interesting letter in your issue of March 6. If there is no possibility of the tenising trade made reporting to its form bility of the Aspirin trade-mark reverting to its former owners, as your footnote implies, there should be no objecowners, as your footnote implies, there should be no objection to the trade adopting Aspirin and allowing it to become an ordinary English word with all monopoly removed. If, however, it is merely a ease of keeping the Aspirin trade-mark "warm" it would be better, much better, that some other word should be chosen by the chemist that has no German origin whatsoever. Our position as manufacturers is quite clear: "He who pays the view realls the true," and we consider that the chemist should position as manufacturers is quite clear: "He who pays the piper calls the tune," and we consider that the chemist should decide. We offer acetyl-sulicylic acid in tablet-form under the name of Aspirin, and also under the following "all-English" names: Asposal, Coxpyrin, Nupirin, Salacetin, and Salacetol, at the same prices. Our friends, therefore, have an opportunity of choosing their course of action. It is not in accordance with our policy to establish or push proprietary articles. We believe it is better for the pharmacist to have his name and address on the package, and macist to have his name and address on the package, and in this way to preserve his individuality.

Yours faithfully,

ARTHUR H. Cox & Co., Ltd. Brighton.

SIR,—I have read with interest Mr. T. Swindells' letter as to aspirin, and am thoroughly in accord with the line of consideration he suggests. I think the subject of German trade-marks requires the serious consideration of every chemist, not only for our pecuniary benefit, but as our patriotic duty. We cannot all handle the rifle, but we can each do our little bit by pushing only British goods. I can see no sense in getting trade-marks "avoided" or "suspended"; it seems favouring the enemy. Surely the

British drug-trade can manufacture trade-marks as well as the South African War was over South Africa got back all it lost, so to speak. When the German war is over Britain will want its trade-marks re-established in Germany, and German war is over Britain will want its trade-marks re-established in Germany, and Germany likewise in Britain and it will be so. Then and Germany likewise in Britain, and it will be so. Then those who sell "avoided" or "suspended" goods during the war will find themselves guilty of having kept the enemy's trade alive. As far as aspirin is concerned we have plenty of substitutes—in fact, too many—and the difficulty is to choose the right one. My way out of the difficulty was simple, and it has proved satisfactory. One difficulty was simple, and it has proved satisfactory. One name is as easy as another to the chemist, but it is the public who have to be considered, so I made a list of some of the advertised substitutes—viz.. "Anglopirin." "Asposal," "Coxpyrin," "Helicon," "Salaspin," and submitted them to my friends, not chemists, and asked them which name was the best substitute for the word aspirin, and which was easiest to remember. Their decisions were in favour of "Anglopirin," which I accordingly took up, and now I sell no aspirin. Other successful substitutes for German articles, I find, are "Lveryl" and "Sanaphos." Yours truly, Yours truly,

THISTLE. (33/25.)

Poor Bayer.

SIR,—I think "Lin. Camph. Co.," whose letter was published in your issue dated March 6, will be interested in an incident which occurred in my own experience some little time ago. A R.A.M.C. dispenser asked me quite seriously, "What part of the bear does phenacetin come from?" It is really difficult to believe the appalling ignoraneo of these men, yet they apparently wish to become registered chemists without passing the qualifying examination! I have also been asked by a qualified apothecary if there is any difference between sublimed sulphur and precipitated sulphur!—Yours truly,

M.P.S (31/16)

### Yellow Beeswax.

SIR,—The B.P. monograph dealing with yellow beeswax, or Cera Flava, is so unsatisfactory from both an analytical and a commercial standpoint that it may be useful to call attention to its unsatisfactory features, in the hope that they will be remedied at some future date. The first point that merits attention is the statement that yellow beeswax is soluble in chloroform. No proportions are given, nor is it stated whether hot or cold chloroform is to be used. If hot chloroform is used, the test is useless, as paraffin and fatty matters will also be soluble; while in cold chloroform beeswax is only soluble to a very slight extent, unless large quantities of chloroform be used. The next point of interest is the melting-point. This is given as 61° to 64° C. It is my experience that one never finds a genuine yellow beeswax melting below 62° C. while many waxes, such as West African, often melt at 64.5° to 65° C. My records of the last three years show not a single sample SIR,-The B.P. monograph dealing with yellow beeswax, waxes, such as West African, often melt at 64.5° to 65° C. My records of the last three years show not a single sample melting below 62° C., and it is my opinion that waxes melting below this invariably contain fat or a low-melting paraffin wax. It is difficult to see why a beeswax melting at 64° C. is to be considered useful for pharmaceutical purposes, while one melting at 65° C. (practically the highest melting-point ever found) is to be considered useless. Definite methods are given for determining the acid and ester values, the limits for the acid-value being given in terms of normal potash, while those for the ester-value are given in terms of normal sulphuric acid: in 19th cases are given in terms of normal sulphuric acid; in both cases it is far more accurate to use seminormal solutions, and this is usually done. If the limits of acid-value laid down by the B.P. are converted from millilitres used into milligrams of potash required to neutralise 1 gram (the usual grains of potash required to neutralise 1 grain (the usual way of stating the acid-value), one finds that the limits are 17 to 24; these are too wide and will embrace any number of adulterated samples. An acid-value of from 17 to 22 would amply cover all genuine samples of yellow beeswax. If the limits for the ester-value are also converted into the usual form, the B.P. limits are 69.4 to 76; in my opinion 78 would be more satisfactory as the top limit, as many pure waxes, such as Madagascar, Mogador, Benguela, and Sierra Leone, have values from 76 to 78, and therefore they are to-day no longer B.P. At the end of therefore they are to-day no longer B.P. At the end of the monograph there appears the following:
"Not more than 1 per cent. is soluble in boiling water (limit of honey)."

It would have added considerably to the usefulness (?) of this requirement had a method been given for its determination. I think the average beeswax analyst will be somewhat puzzled how to determine the water-scluble portion in beeswax with any sort of accuracy, as the result obtained will largely depend on the proportion of beeswax to water used, and certainly the limits of error are at

least 1 per cent. A requirement that would be useful, but which has, of course, been omitted, is a limit for moisture, as much as 5 per cent, often being found. In moisture, as much as 5 per cent. often being found. In conclusion, it is to be sincerely hoped that analysts and others will not consider a sample of beeswax pure because it conforms to the B.P. requirements or rice versa. The monograph is already leading to a considerable amount of trouble, and as far as some of the most influential members of the beeswax-trade are concerned they are refusing to sell their waxes as B.P., but are content with guaranteeing them pure and free from adulterants. guaranteeing them pure and free from adulterants.

Yours truly, MAURICE S. SALAMON, B.Sc., F.C.S.

79 Mark Lane, E.C.

The Pharmaceutical Council and the Revision of the B P.

Sir,—The Council of the Pharmaceutical Society is an enterprising body of men who believe in taking time by the forelock. Whether this is always the best policy is questionable, but in the present instance, with a clear breathing-period of ten or a dozen years to run, it does look like a premature waste of good air to begin blowing the trumpets just now. The walls of Legisles did not fall the trumpets just now. The walls of Jericho did not fall at the first blast, and no more need we expect to see the at the first blast, and no more need we expect to see the Oxford Street autocrats turning up their toes at the feeble toot emitted by the Square hooter last week. The new B.P. has fallen flat, probably through no fault of its own, but purely on account of the war; and after the war is over things will go on just as if no new B.P. had been issued—I mean without one ripple of interest on the pharmaceutical waters. The Council knows that the book has failed to inspire anybody, but perhaps the twenty-one estimable gentlemen think that if only they had been consulted in the proper way everything would have been different, and the new B.P. would by this time have been the most-talked-of book in the language. If this flight of fancy pleases them, by all means let them think so; but every-body else knows that practical people have other things body else knows that practical people have other things body else knows that practical people have other things to do and to think about in these strenuous times. That the Council is utterly unpractical is proved by the silly and impertinent reference to the "professors and officers of the Speiety" in its ill-timed resolution. The reference is silly because the Council can no more control its successors during the next ten years than it can alter the revolutions of the earth; it is an impertinence because no body of men have any right to dictate to any body of other many how these gentlemen are to occupy their leisure time. men how these gentlemen are to occupy their leisure time. The appointment of pharmaceutical editor of the B.P. is a great honour; there are few men really competent and available for it, and when one such is invited to collaborate in the work of producing the next B.P., I trust he will accept the offer and snap his fingers at the Council.

Yours, etc. M. P. S. (32/39.)

Patent Medicines and Diminishing Profits.

Patent Medicines and Diminishing Profits.

Sir.—I have received a circular letter from a wholesale patent-medicine house asking my consent to a charge to help them meet extra expenses due to the war. Why should I? Are not we retailers feeling the pinch of higher wages and other increased charges quite as much as the wholesalers, or even more so? Look at the advances in the prices of many drugs which we buy in large quantities, and for which no extra price can be obtained from the public. If the cost of any proprietary article is put up by the maker. the cost of any proprietary article is put up by the maker. does the wholesale dealer lose on it? I trow not. Is there any more reason why we should consent to a charge for packing goods than for any other work done in their offices or warchouses, or why we should not equally charge for unpacking and checking goods received? I for one do not intend to pay it.—Yours faithfully. MAG. SULPH. (32/23.)

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Proposed Pharmacy Bill.

Mr. Wm. Jas. Leggett, Secretary of the London and Provincial U.R. Druggists and Drug-stores Association, writes from Withington, Manchester, saying that "the proposals of the Drug and Pharmacy Association will be seriously opposed by our members, unless we are informed of its nature." nature.

Sp. Gr. of Acetum Scillæ, B.P.

"It may interest pharmacists to know that acetum scillæ, B.P. 1914, which is double the strength of the 1898 preparation, has a specific gravity of 1.070; the specific gravity of acetum scillæ, B.P. 1898, was 1.035. I wonder whether such figures could be arrived at by calculation, as is done in the case of milk-analyses."—Abil Scholar. Hydrocyanic-acid Fumigation.

Referring to a reply to a correspondent which we gave in the C. & D., March 6, p. 66, regarding the use of phosphoric acid for liberating hydrocyanic acid from a cyanide, Mr. F. P. Sarqeant calls our attention to an article by Mr. F. C. Edwards and himself in a recent issue of the "Gardeners' Chronicle," in which the use of phosphoric acid is advocated. This acid is used on account of its purity, and also because the gas is evolved more regularly and the heat of generation is less, thus reducing the amount of aqueous vapour carried mechanically. The regularly and the heat of generation is test, thus reducing the amount of aqueous vapour carried mechanically. The phosphoric acid should contain 66 per cent. by weight of real acid, and have a sp. gr. of not less than 1.5. Equal parts of phosphoric acid and sodium cyanide are required, which simplifies the measurements.

### Some Latin Verse.

Pil. Ruft (24/7) writes: "Herewith is a purely original Tan. Half (2471) whites. Therewin is a purely original translation of an excerpt from Max Adeler's 'Out of the Hurly-Burly.' It arose from a discussion as to the various methods of teaching. I remarked that the 'linc upon line' method of Christ's Hospital in my day (1865 to 1872) was so thorough that even now I thought I could construct a couplet or two of Latin verse. This is the result. The passage is the one beginning:

'Four doctors tackled Johnny Smith; They blistcred and they bled him,' etc. 'Luctantur quatuor medici servare Fabrillum

Unanimique incunt omnia quaque fero-Cantharidis ponunt emplastra creanda vesicas, Extrahitur sanguis (traditione decet) Impranso dein dant pilulas expellere bilem.

Pro coenà scillas vin. ipecacque suà.

"Ecce jecur" dicunt, "calomel capiat sine fine
Maxima sit dosis": mollins inde foret—
Frustra; spes oriens Fabrum decessit in æyum Dum spiritus liber cæla per astra petit.

### Discounting Chemists' Accounts.

"While agreeing with the Secretary of the Pharmaceutical with the Secretary of the Pharmaceutical Society's endeavour to do his best for the chemists, I do not agree with his taking St. Helens as a standard of what he thinks can be done. It is only encouraging the Commissioners to prolong the chemists' torture. Did the Secretary of the Pharmaceutical Society overlook the fact that it is Beecham's pills that keep down the drug-bill at St. Helens? If that gets to the knowledge of the Commissioners, Beecham's pills will get on the Tariff."—Panel Chemist (E34/61). Chemist (E34/61).

"In last week's issue your contributor 'Xrayser II.' makes comparison between Cardiff and London, to the latter's disadvantage. Well, I hope the chemists of the country will not endeavour to gain their end by following the lead of Cardiff. I think I am correct in stating that the panel chemists of that city (which is, by the way, my native place) have given way on the aq. destill, question, the Rep. mist, difficulty, and the stock-mixture bugbear One of them told must be a they day they aver new dispension. of them told me the other day they are now dispensing stock mixtures for a fee of one penny. Perhaps, if they continue in this line and come down to a halfpenny, they may then be assured of payment in full."—Welsh Panel Chemist (32/35).

### Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1915, beginning on page 405.

Saech. Ust. (33/38).—The throat, chest, and lung tablets are exempt from stamp-duty, as they are composed of an entire drug only. Refer to "Exemptions" and "Extracts" in the C. & D. Diary, p. 419.

Salol (26/16).—The superintendent of a limited company can manage one shop only, and it is not necessary for him to exhibit his certificate of qualification in the shop. Read the paragraph "Companies" in the C. & D. Diary, p. 40.

Plugging (32/61).—You appear not to realise that as you are neither a registered dentist nor a registered medical practitioner you may not legally sue for fees for stopping hæmorrhage. See C. d. D. Diary, p. 430 ("Dentists") and p. 431 ("Medical Practice").

S. W. (32/11).-No doubt the statement made to you about the sale of Wincarnis with quinine was founded upon the action taken against a Bradford company for selling this article and conviction by the Bradford Magistrates, but this conviction was quashed. See the C. & D. Diary, p. 415, for concise particulars in regard to the case.

### Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas of them. When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, but give the reference to the issues in which the information may be found. If querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

Odol (210/53).—Correspondents call attention to an obvious omission in the calculation given last week (C. & D., obvious omission in the calculation given tast week (C. & D., March 6, p. 65). For a chamber of 1 cubic foot capacity 1,000 oz. of carbonic-acid gas is required, and allowing for 10 per cent. of loss in making the gas and filling the chamber, ingredients should be taken for 1.100 oz. of the gas. It is for the latter quantity that we gave the calculation and amounts of ingredients to be taken. In the second line a plus sign (+) was printed instead of ×.

W. E. B. (244/3).—Plate-polish Paste.—The red powder which is used in making this is rouge, which requires to be well clutriated before using for the purpose. As regards the basis, you should refer to a note in the C. & D., November 7, 1914, p. 32, which will give you the necessary

W. F. (22/25).—Tyre-puncture Compound.—Various com-II. F. (22/25),—IYRE-PUNCTURE COMPOUND.—Various compound powders are employed for placing in pneumatic tyres for the purpose of filling up small punctures. The powders are placed inside the tube, and water is afterwards run in, a gummy mass being produced, which answers fairly well for stopping up minute cracks in the rubber such as develop in old tyres. The following are two forwards which slow; the composition of the propular two formulæ which show the composition of the powders employed:

 Dextrin
 ...
 ...
 5
 Dextrin
 ...

 Starch
 ...
 ...
 200
 Sugar
 ...

 Gluten
 ...
 ...
 30

The liquids employed for the same purpose consist of glycerin holding in suspension gelatinous silica or aluminium hydrate. The first is obtained by the action of acid on waterglass. Sometimes dextrin is added to waterglass; for example, powder No. II. mixed with waterglass (30) and water (45) is much favoured.

Skins (New York) (14/19).—Bottle-Caps.—Viscose bottle-caps are made of cellulose by a patented process, an outline of which was given in the C. & D., June 14, 1913, p. 66.

A. W. H. (8/44).—Lindleum-dressing.—The following is a liquid for dressing lindleum, but we cannot say how nearly it resembles the proprietary preparation to which you refer:

Paraffin oil Methylated spirit t ... ... 8 oz.
... ... 8 oz.
... ... 2 oz.
... ... 1 dr. Resin oil ... ... Gum benzoin Amyl acetato

Mix. Apply with a mop, and rub with a clean rag until tho excess of oil is removed.

A. S. (26/2).—Read the article on ACNE in "Diseases and

## Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," March 15, 1865

### Chemists and Druggists Bill.

Deputation to the Home Secretary.

Deputation to the Home Secretary.

A deputation of this Society waited upon Sir George Grey, at the Home Office, on Wednesday last, in reference to the Chemists and Druggists Bill. The deputation was introduced by Sir John Villiers Shelley, Bart., M.P.: Sir Morton Peto, Bart., M.P.; Sir Robert Clifton, Bart, M.P.; Harvey Lewis, Esq., M.P.; Salisbury Butler, Esq., M.P.; William Cox, Esq., M.P.; Salisbury Butler, Esq., M.P.; and Charles Forster, Esq., M.P.; comprising also the Mayor of Walsall: Henry Matthews, Esq., F.C.S., V.P.; Messrs. Slugg, Manchester; Stead, Leeds; Manby-Southampton; Toogood, Hull: Barnaby, Rochester: Miller, Blackheath; D'Aubney, Thomas, Loane, King, Tidman, Boor, Baymgarten, Caudell, Wade, Heppell, Buott, jun., and many other gentlemen, including Worthington Evans, Esq., the Solicitor, and Mr. C. Buott, the Registrar and Secretary of the Society. and Secretary of the Society.

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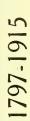
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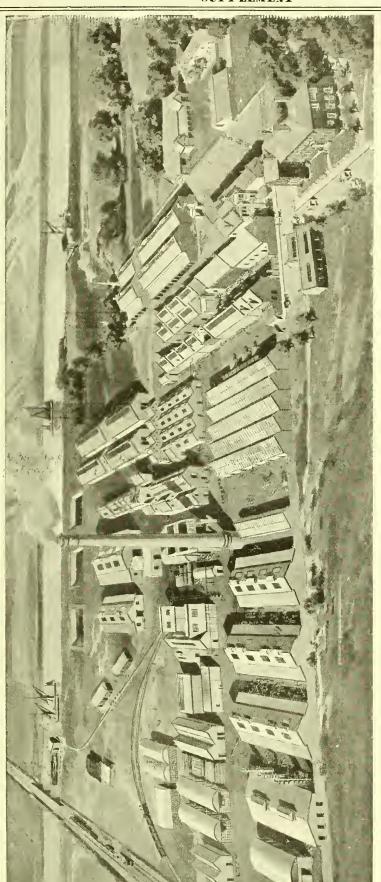
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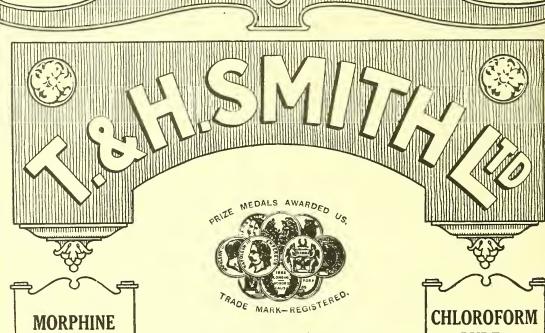


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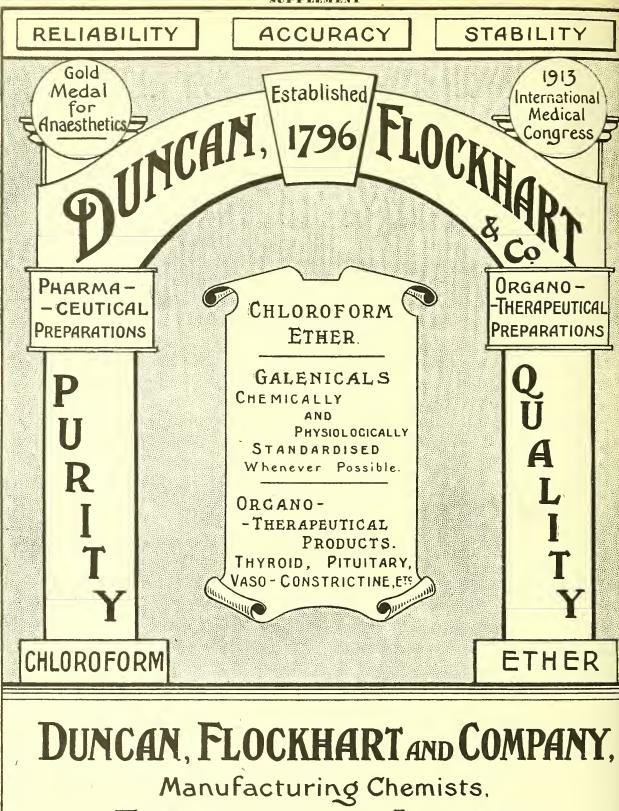
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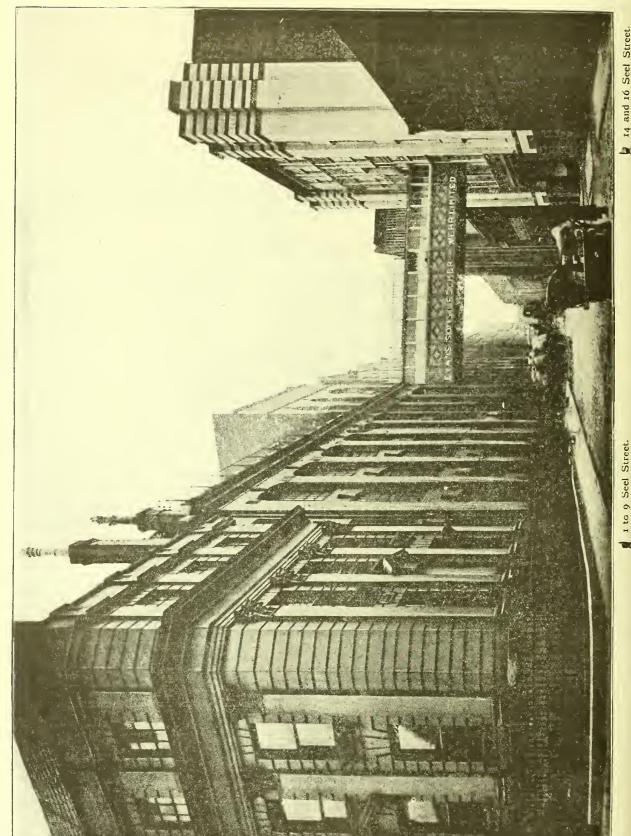
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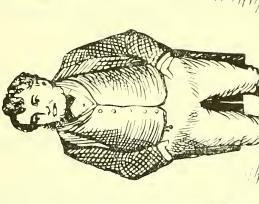
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Chlorate of Potash Chlorate of Soda Chlorate of Barvum Perchlorate of Potash Perchlorate of Ammonia

Selling Agents: CHAS. MANGOLD & CO., LONDON 9 MINCING LANE.

SOCIÉTÉ D'ELECTRO-CHIMIE, PARIS, 2 RUE BLANCHE.

FOR STATUS INQUIRIES, COLLECTION OF ACCOUNTS, AND INVESTIGATIONS.

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> which is THE MEDIUM for the TRADE. PROSPECTUS ON APPLICATION

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NOW IS THE TIME TO STOCK

TO MEET THE SPRING DEMAND.

ANDREWS' shows a good profit. Is backed by steady advertising. Ensures a quick turnover. Makes satisfied customers. Means repeat orders.

Tins ... 4d. & 8d.

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## For Safety Razors

Safety Razors kept in a Brytstele Bath do not require to be taken apart for cleaning ordrying. Brytstele Solution keeps blades sharp for at least two months without stropping. Blades and Holders are kept bright, antiseptic, and free from rust.

### ATTRACTIVE OUTFITS AS ILLUSTRATED.

Retail 1s. 6d. each... Trade 13/- doz. Refill Bottles (4 oz.) 8dd. each ... 8efill Bottles (10 oz.) 5/6 ...

1s. 4d. each ... 11/- "

Good Showcards, etc. Carriage paid on dozens only. THE BRYTSTELE Mig. Co., 62 Oxford St., London, W.



# EMETINE HYDROCHLORID. (Whiffen's) NE HYDROBROMID. (Whiffen's)

For Hypodermic Injection.

May be obtained, by ordering Whiffen's Brand, from all Chemists and Wholesale Drug Houses in the United Kingdom and Abroad.

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at once."-Prof. C. FLANDIN.

The New Remedy in Amorbic Disease. Wide British Medical Journal, Aug. 24, 1912, pp. 405-408. Emetine for Hæmoptysis Vide Press Médicale, Paris, September 24.—"The result is sur-prising, hæmorrhage from the lung ceasing

### Corruganza ROXES.

GREASEPROOF.

Better than the old Willow Boxes because they are stamped out of one piece, and the bottoms cannot fall out. MILLIONS SOLD ALREADY. REPEAT ORDERS DAILY.

Send at once for Price List (Wholesale or Export only) to the Manufacturers-

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### LANÆ P.B.

A beautifully creamy preparation, pronounced the best English make on the market.'

7 lb. 2/4 28 lb.

2/- lb.

"LANADEPS

14 lb.

28 lb. 56 lb. 1/3

A purified and hydrated Wool Fat, specially suitable for Toilet Preparations, &c. SAMPLES FREE UPON APPLICATION.

1/6 1/4 1/1 lb

SPECIAL PRICES FOR LARGE QUANTITIES.

MANUFACTURED BY

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"Sturge's Chalk,"



Lightest on the Market.

All grades from the LICHTEST to VERY DENSE.

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OWBRIDGE'S LUNG TONIC is known throughout the whole English-speaking world.

During the last few years its sale has rapidly increased in all the British Colonies, notably in India, Australia, Canada, South and West Africa, and there is a growing demand in China and the Far East.

At home, in spite of all opposition, it not only holds its own but out-distances all competitors, and to-day it is pre-eminently known as the best selling Proprietary Article on the market for Coughs and Colds.

The well-known Oval Trade Mark is known everywhere, and because it is so largely advertised is, in itself, of great selling value. All dealers know the great value of a good "Brand," and so do the public.

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W. T. OWBRIDGE, Ltd.

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WE WILL HELP YOU ALL WE CAN.

# Lung Tonic

N.B.—Prices quoted herewith are for preparations according to the New Pharmacopæia, 1914.

### ISSUED PRICES WEEKLY.

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this Paper on Terms as below-N.B.—We would draw attention to the fact that all prices quoted herein are subject to alteration without notice, and that where stocks are limited preference is always given to our regular customers.

Acetanilide, B.P., 7 lbs. @ 3/8 lb.; 1 lb. @ 4/b.; powder. ld. lb. extra.

\*Acet, Ipecac, 7 lbs. @ 2/- lb.

\*B. Scillar, P.B., 7 lbs. @ 4\dark lb.

\*Acetone, 6 lbs. @ 1/6 lb.; 1 lb. @ 1/8 lb.

\*Acetone, 6 lbs. @ 1/6 lb.; 1 lb. @ 1/8 lb.

\*Acetone, 6 lbs. @ 1/6 lb.; 1 lb. @ 1/8 lb.

\*Acetone, 6 lbs. @ 1/6 lb.; 1 lb. @ 1/8 lb.

Acid. Acet. Glacial., 99%, Carboys. 160 lbs.
 © 50/-; 12 6-lb. bots.
 @ 8d. lb.; 6 lbs.
 @ 9d. lb.

" Acetylo-Salicyl. 7 lbs. @ 8/3 lb.; 1 lb. @ 9/- lb.

"Benz, B.P., 7 lbs. @ 8/-1b.; 1 lb. @ 8/6 lb. ,, Boric Pulv., 3 cwt. @ 36/- cwt.; 1 cwt. @ 36/6 cwt.; 1evigd. 3/- cwt. or ½d. lb. extra.

Solo ewt.; levigd. 3/- ewt. of 2d. io. extraction. Carbol. Xtls., 39/40; 56 lbs. @ 1/4½ lb.; 10-lb. Tins @ 14/6 each; 36 1-lb. Bots. @ !/7 lb.; Single Bots. @ 1/8 lb.; Detacbed Cryst. 10 lb. Tins @ 15/6 each; 1 lb. @ 2/- lb.; Crude Black, 45 gall. casks @ 1/- gal.; 5 gall. drums @ 1/4 gall.; 1 gall. tins @ 1/6 each.

Citric Cryst. B.P., '85, 7 lbs. in Bags @ 2/8 lb.; powder 1d. lb. extra.

Dietbylbarbituric, 1 oz. @ 3/- oz. "Gallic, pur., P.B., 7 lbs. @ 4/9 lb.; 1 lb. @

5/- Ib.

"Hydrobrom., Dil. P.B., 6 lbs. @ 1/3½ lb.

"Hydrocblor. Coml., cases of 4 2-gal. jars, 18/6 eacb; 20 case lots @ 17/6 eacb.

"Hydrocyan. P.B., 6 lbs. @ 1/2 lb.; 1 lb. @ 1/5 lb.; 36 1-oz. Vials @ 3/9 doz.

"Oxalic Cryst., 1 cwt. @ 11/-; 14 lbs. @ 1/4 lbs.

1/- lb.

" Phospb. Dil., B.P., 7 lbs. @ 4\(\frac{1}{4}\)d. lb.
" Salicyl. pulv. 1 lb. @ 8/9 lb.
" Salicyl. pulv. 1 lb. @ 8/9 lb.
" Sulpbur. Coml., cases, 4 2-gal. jars, 18/6 eacb; 20 cases @ 17/6 eacb.
" Sulph. Aromat. B.P., 5 lbs. @ 3/8 lb.
" Tannic, B.P., 1 lb. @ 5/3 lb.
" Tart., cryst. or pulv. B.P., 1885, 7 lbs.
@ 1/8 lb.; parv. \(\frac{1}{4}\)d. lb. extra.
Adeps Benz., B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb. 10d. lb.

#Ud. 16.
#Erugo Æris Pulv., 14 lbs. @ 11d. lb.
#Aloes Barb., English ground, 28 lbs. @ 98/- cwt.;
7 lbs. @ 11 d. lb.
#Aloes, Socot. 7 lbs. @ 1/5 lb.; powder, 7 lbs. @

Aloes, Socot. 1153 b. 1151 b. Aloin, B.P., 1 lb. @ 4/9 lb. Ammon. Benz., 7 lbs. @ 5/- lb.; 1 lb. @ 5/6 lb. Ammon. Brom., P.B., 1 cwt. @ 3/9 lb.; 7 lbs.

(2 4/- lb.

Ammon, Carb. lump, 3 cwt. @ 44d. lb.; 28 lbs.

@ 54d. lb.; 7 lbs. @ 6d. lb.; powder, 4d. lb. extra.

Ammon. Cblor., 99% pulv., 1 cwt. @ 44/- cwt. 7 lbs. @ 6d. lb.; Batteries, 4/- cwt. extra. Amyli Pulv., 10 cwt. @ 16/- cwt.; 2½ cwt. @ 16/8 cwt.; 1 cwt. @ 18/6 cwt.

Aniseed, English ground, 1 cwt. @ 68/- cwt.;

7 lbs. @ 8d. lb. Antim. Nig. Pulv., 1 cwt. @ 42/6 cwt.; 14 lbs. @

Antim. Tart. pulv., 7 lbs. @ 2/- lb.
Apiol, 1 lb. @ 34/- lb.

\*Aqua Anetbi Conc. 1-40, 1 lb. @ 2/11 lb.

"Anist Conc. 1-40, 1 lb. @ 3/1 lb.

"Auxant. Conc. 1-40, 1 lb. @ 6/1 lb.

Aurant. Trip., 6 lbs. @ 7d. lb.; 53 lbs.

(25); (3/4 lb. (25);

• ,, Samb. Conc., 1-40, 1 lb. @ 6/1 lb. • ,, Samb. Trip. 6 lbs. @ 8d. lb. Araroba, fine powder, 7 lbs. @ 4/3 lb.; 1 lb. @ 4/6 lb.

4d. lb.

Atropinæ Sulpb., P.B., 1 oz. @ 85/- oz. Auri. Chlor., 6 doz. 15 gr. tubes @ 21/3 doz.; 1 doz. 15 gr. tubes @ 21/6 doz.

Bals, Copaibæ, ,pure, 44 lbs. @ 1/9 lb.; 9 lbs. @ 2/- lb.; 1 lb. @ 2/5.

"Peruv., P.B., 7 lbs. @ 9/9 lb.; 1 lb. @ 10/6 lb.

"Peruv., P.B., 71bs. @ 9.9 lb.; 1 lb. @ 10/0 lb.; Sulpbur, 7 lbs. @ 8d. lb.
"Tolut. B.P., 50 lbs. @ 2/- lb.; 1 lb. @ 2/8 'b.
Bismuth, P.B., Carb., 28 lbs. @ 11/6 lb.; 7 lbs.
@ 11/9 lb.; 3 lbs. @ 12/- lb.; 1 lb. @ 12/4 lb.; subnit. 1/- lb. less.
Boracic Mixture, 1 cwt. @ 47/- cwt.
Borax, 1 cwt. @ 21/6; powder 1/- extra.
Butyl-Cbloral Hydras., P.B., 1 lb. @ 14/- lb.

Caffeine, P.B., 1 lb. @ 19/3 lb.
Caffeinæ Cit., B.P., 1 lb. @ 14/- lb.
Calamina, powder, fine pink, 5 cwt.@ 11/6 cwt.
1 cwt. @ 12/6 cwt.; 7 lbs. @ 2d. lb.
Calamine, B.P., 1885, 7 lbs. @ 1/- lb.
Calcii Carb. Przecip., 5 cwt. @ 14/6 cwt.; 1 cwt.
@ 17/6 cwt.; 28 lbs. @ 22/6 cwt.
" Hydras, P.B., 1 cwt. @ 25/- cwt.; 7 lbs. @ 5d. lb.
Hydrophoseph. Phys. P.B., 1 lb. @ 2/3 lb.

1/10½ lb.

Cantbarides, Russian, 7 lbs. @ 18/6 lb.; powder
6d. lb. extra.

Capsicine, soluble, 1 lb. @ 6/6 lb.
Carbo Animalis or Ligni, powder or lump, 1 cwt.
@ 16/- cwt.; 28 lbs. @ 2½d. lb.
Cardamoms, 28 lbs. @ 4/3 lb.; 7 lbs. @ 4/6 lb.

Carmine, Finest, 1 lb. @ 25/- lb.; No. 2, 1 lb. @ 20/- lb.

Cera Alba, B.P., White Moons, 28 lbs. @ 2/1 lb.; 4 lbs. @ 2/2 lb.; Flav. 1 lb. Blocks, 28 lbs. @ 1/9½ lb.; 4 lbs. @ 1/10½ lb.; 1 oz., ½ oz. tabs., 7 lbs. @ 1/10½ lb.

Cerii Oxalas, 7 lbs. @ 1/4 lb.

Cetaceum, No. 1, fine white, 64 lbs. @ 11d. lb.; 7 lbs. @ 1/1 lb.; powder, 7 lbs. @ 1/6 lb.; Cbloral Hydras Cryst., B.P., 7 lbs. @ 6/8 lb.; 1 lb. @ 6/11 lb.

\*Cblorodyne, 5 lbs. @ 2/- lb.

\*Cbloroform, pure, B.P., 12 8-lbs. @ 1/9 lb.; 8 lbs. @ 1/10 lb.; 6 1-lb. bots. @ 2/- lb.

Cocaine Hydrochlor., B.P., 4 ozs. @ 11/10 oz.; 1 oz. @ 12/6 oz.

Codeina, 1 oz. @ 25/- oz.; Pbospb., 1 oz. @ 21/- oz.; Hydrochlor. or Sulpb., 1 oz. @ 22/- oz.

Colocyntb, Apple, Englisb ground, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/4 lb.; 7 lbs. @ 1/6 lb. Composition Powder (Coffin's), 1 cwt. @ 58/cwt.; 7 lbs. @ 7½d. lb.

Conf. Sennæ, P.B., 14 lbs. @ 93d. lb.; 7 lbs. @

101d. 1b. Cort. Aurant. Exot. Sbreds, 7 lbs. @ 2/ - lb.

" Cincbon, Rub. (Quill), 7 lbs. @ 1/- lb. " Ulmi Fulvæ, Pulv., 1 cwt. @ 8½d. lb.; 7 lbs. @ 10d. 1b.

Cream of Tartar, 98% powder, 1 cwt. @ 149/-cwt.; 7 lbs. @ 1/6 lb.

Creasote, Beechwood, P.B., 71bs. @ 3/61b.

Creta c. Campb., 7 lbs. @ 8d. lb.

" Gall. Pulv., in sacks, 10 cwt. @ 7/9 cwt.;

1 cwt. @ 9/3 cwt.; 14 lbs. @ 1½d. lb.

Creta Præparata, 7 lbs. in box @ 10½d. eacb.

Cubebæ, Englisb Ground, 28 lbs. @ 1/11 lb.; 7 lbs. @ 2/- lb.

\*Dec. Aloes Co. Conc. 1-2, 6 lbs. @ 1/10 lb.; Sinecroco, 6 lbs. @ 1/2 lb. [lb.], Cinchonæ (Rubræ) Conc. 1-7, 6 lbs. @ 1/10 m. Senegæ Conc., 6 lbs. @ 2/6 lb.

Emp. Spread, 12 yards × 16 ins. adhesive, 3/8; B·llad. B.P.C., Green @ 17/6; Cerat. Saponis @ 7/6; Picis Co. @ 7/6; Plumbi @ 6/-; Resine @ 4/6; Roborans @ 7/-; Saponis, B.P., @ 6/-.

Emp. Picis, P.B., 7 lbs. @ 8½d. lb.
" Plumbi, P.B., 7 lbs. @ 8½d. lb.
" Resinza, P.B., 7 lbs. @ 8½d. lb.
" Roborans, 7 lbs. @ 8½d. lb.
Bmulsio Ol, Morthua, 5 lbs. @ 11d. lb.
Eserine Sulph., in 15-grain tubes, 6/6 each.
Ess. Bergam. (Oil), 12 lbs. @ 12/6 lb.; 1 lb.
@ 13/6 lb.; not guaranteed absolutely pure.

Ess. Limonis (oil) original coppers, 12 lbs. @ 4/= lb.; 6 l-lb. bots. @ 4/6 lb.; not guaranteed absolutely pure.

\*Ess. Moschi (not artificial), 5 lbs. @ 10/3 lb.; 1 lb. @ 11/3 lb.

\*Ess. Pear (artificial), Jargonelle, 5 lbs. @ 2/- lb.; Bergamot, 2/6 lb.

\*Ess. Pineapple, 5 lbs. @ 3/4 lb.

\*, Raspberry, 5 lbs. @ 2/2 lb.; 1 lb. @ 2/6 lb.

Vanilla Beans, 5 lbs. @ 4/4 lb.; 1 lb. @ 4/7 lb.

4/7 lb.

\*Ext. Belladonnæ Liq., B.P., 5 lbs. @ 7/- lb.;

1 lb. @ 7/6 lb.; solid, 7 lbs. @ 4/7 lb.

Ext. Cannab. Ind., Alc., B.P., 1 lb. @ 45/- lb.

Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 1/2½ lb.;

10 lbs. @ 1/4 lb.

\*Ext. Ergot. Liq. P.B., 5 lbs. @ 4/9 lb.; 1 lb. @

5/3 lb.; Solid, P.B., 4 lbs. @ 23/- lb.;

1 lb. @ 2½/- lb.

Ext. Filicis Liq., P.B., 9 lbs. @ 9/6 lb.; 1 lb.;

@ 10/6 lb.

Ext. Filicis Liq., P.B., 9 lbs. @ 9/6 lb.; 1 lb.; @ 10/6 lb.

Ext. Gent., P.B., solid, 1 cwt. @ 1/- lb.; 7 lbs. @ 1/2 lb.

\*Ext. Glycyrrb. Liq., B.P., 6 lbs. @ 1/7\frac{1}{2} lb.

\*Ext. Hycyrrb. Liq., P.B., 5 lbs. @ 3/5 lb.

Ext. Hyoscyam., Solid, B.P., 3 lbs. @ 5/1 lb.; 1 lb. @ 5/5 lb.

Ext. 1 pecac, Liq., P.B., 5 lbs. @ 20/6 lb.; 1 lb.

Ext. Quassiæ, Solid, 7 lbs. @ 6/- lb.; 1 lb. @ 6/4 lb.

Ext. Sarsæ Co. Solid, 7 lbs. @ 6/- lb.; 1 lb. @ 6/6 lb.

Ferri Ammon. Cit., P.B., 28 lbs. @ 2/9 lb.; 7 lbs. @ 2/104 lb.; Ferri Carb. 1 cwt. @ 21/- cwt.; 28 lbs. @ 3d lb. Ferri et Quininæ Cit., P.B., 100 ozs. @ 6\frac{1}{2}d. oz.; 25 ozs. @ 7\frac{1}{2}d. oz. Ferri Sulph., pure cryst., 1 cwt. @ 15/-; 7 lbs. @ 3d. lb.

Ferrum Redact., 80%, 28 lbs. @ 1/6 lb.; 7 lbs.

@ 1/7 lb.
Flor. Antb. Exot., 7 lbs. @ 1/8 lb.
Flor. Antb. Exot., 7 lbs. @ 1/8 lb.
Fol. Bucbu, oval, good green, 7 lbs. @ 2/8 lb.
Fol. Hyoscyam. Bien., 7 lbs. @ 5/- lo.; pulv.,

4/6 lb. Fol. Sennæ Alex. parv., 28 lbs. @ 7½d. lb.

\*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted NOTE .- Only terms Net Cash with order without discount, or orders accepted through London Merchants or Bankers, Goods carriage forward; all packages free; Export cases extra.

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KINDLY DETACH THIS SHEET AND PLACE IT IN YOUR BUYING BOOK.

March 13, 1915

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# LANOLINES

HYDROUS ——— ANHYDROUS

MANUFACTURED BY

THE HILLCREST OIL CO. (BRADFORD) Ltd., CLAYTON, MANCHESTER.

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WHITE YELLOW PETROLEUM JELLY AMBER RUBY RED

# PETROLEUM JELLY

We are importers of finest American Jelly, Red, Yellow and White. Guaranteed B.P. Inquiries esteemed also for

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THE SAFEST AND BEST PREPARATION OF OPIUM.

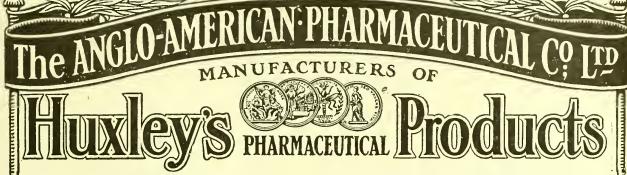
In 2-oz., 4-oz., 8-oz. and 16-oz. bottles.

GLYCEROLE OF NEPENTHE (eight times the single strength) for hypodermic injection. In 1 oz. Bottles. NEPENTHE SUPPOSITORIES in four strengths. Equivalent to  $\frac{1}{5}$ ,  $\frac{1}{4}$ ,  $\frac{1}{2}$ , and 1 grain Morphia.

The word "NEPENTHE" is registered under the Trade Marks Act, and is the exclusive property of Ferris & Company, Ltd. We have from time to time been compelled to obtain injunctions in the Courts by which defendants were perpetually restrained from dispensing, selling, or supplying under the name of "NEPENTHE," or any colourable initation thereof any medical preparation not prepared by us, and from in any manner infringing our Trade Mark "N EPENTHE" (No. 464), and were ordered to pay the costs of

The Trade are respectfully warned against any infringement of our Trade Mark "NEPENTKE" or the use f any name so nearly resembling it as to be calculated to deceive, and also against dispensing any but Ferris & Co.s" preparation when "NEPENTHE 'is ordered in a prescription.

FERRIS & CO., LTD., BRISTOL.



Huxley's Syrup of Acid Glycero-Phosphates.

Huxley's Glycero-Phosphates with Formates,
Huxley's Glycero-Phosphates with Hæmoglobin.
Huxley's Glycero-Phosphates with Hæmoglobin.
Huxley's Elixir of Lactated Pepsin and Glycero-Phosphates.

Huxley's Nascent Glycero-Phosphates (I riturates). Huxley's Glycero-Phosphates with Hydrobromides. Huxley's Glycero-Phosphates with Pepsin. Huxley's Glycero-Phosphates with Red-Bone Marrow. Huxley's Compressed Glycero-Phosphate Tablets.

HUXLEY'S "NER-VIGOR," "NER-VIGOR" with FORMATES, "NER-VITA."

Huxley's Menthol and Wintergreen Cream and "Tubelettes" of M. & W. Cream.

Huxley's Sal.-Antisepticus—"Hux-Sal." Huxley's Antiseptic Dusting Powder. Huxley's Proteid Food.

xley's "Sapo-Lavand" Fluid Antiseptic Soap. "Minimus" Soap Distributor. Huxley's Mist. Pepslnæ c. Bismutho,

Huxley's Plasma Dressing (Veterinary and Human).

"COLCHI-SAL."

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Benzo-Kinone with Heroin.
Cirrholysin. Glymenstra, various.
'Wintogen." X-lodo Bismuth Tablets. "PEPTENZYME" (Elixir, Tablets, ) "PIPERAZINE-MIDY." "FERMENLACTYL." "TROPHONINE." "PROTONUCLEIN." "PANCROBILIN." "NEPHRITIN."

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FLOWER AND VEGETABLE SEEDS IN 1d. PACKETS.

One of the most Attractive and Profitable Side-Lines possible for Chemists.



7/- per gross, net. Packed on 3 doz. cards.

These should be ordered as Prize Sweet Peas to distinguish between ordinary



Application.



On half-gross cards.

5/- gross, net.



ALL SEEDS SENT ON HALF-GROSS CARDS, unless otherwise ordered.

Not less than half-dozen of any sort supplied at gross price.

Less than half-dozen are charged 9d. per dozen, or single packets 1d, each.

EMPTY PACKETS 9/- per 1000. 1/- per 100. 4d. per packet of 25.



"Winged Lion" Brand.

# BIRD SEEDS

(IN PACKETS).

Put up in Cardboard Cases, with attractive designs in colours. The seeds are carefully selected from the finest stocks, and are free from all dirt and dust.



This combination of 10 Varieties of Seed is the Best obtainable FOR ALL KINDS OF CAGE BIRDS.

Canaries, Larks, Linnets and all Song Birds will thrive and sing upon this Food when other kinds are rejected.

All Dust and Impurities are carefully removed, and only Seed of first-class quality used.

### PRICES:

1d. Packets			•••	9/-	Gross,	in $\frac{1}{2}$	gross	boxes.
1½d. Monster	Packet	1/3 per	dozen	14/-	,,	in Ï	dozen	parcels.
2d. Packets					,,			
$\frac{1}{2}$ lb. ,,				18/-		in 1	dozen	cases.
3d. ,,	• • •							9.9
4d. ,,		• • •		30/~		,,	9.3	,,
1 Pound				36/~	,,			

# POTTER & CLARKE, Ltd., WHOLESALE SEED & DRUG IMPORTERS,

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Can be used for anything "SIFT-ABLE," or anything "MIX-ABLE."

STANDARD PATIERN combined Machines (Figs. 1 to 4) will at one operation thoroughly Sift and Mix all dry powders, and reduce to powder and sift any that contain lumps. Largely used for Drugs, Chemicals, Acids, Baking Powder, Self-raising Flour, Cattle Foods, Sugar, Colours, Sherbert, Coffee, Flour-blending, Disinfectants, and all kinds of Medicated

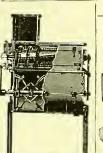










Fig. 5.

Fig. 1. Sizes for Hand Use.

Price

£

£

Holding

Agitator

about

15 lbs

60

Size

anacity of

Power Sizes with Pulleys Holding

eapacity of

Agitator

about

60 lbs.

150 ,,

Price

££

Size

Pulley and Gear Drive. The type recommended for Power users

Holding

capacity of

Agitator

about

150 ,,

200 300

FIG. 4. Large capacity Powerdriven Machines.

Price

£££

Holding

capacity of

Agitator

about

5 cwt.

10

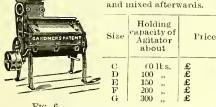
10 ., 20 .,

For Counter use and small quantities. Will sniall quantities. Will do the same work and contains all the leading features of the standard patterns. About 15 lbs. capacity. £

Size B. About 30 lbs. capacity, £
Made in these Two Sizes only.

ж 100 **CARDNER'S Patent** "RAPID" SIFTER, MIXER, AND CRUSHER. (Fig. 6.)

Size



CARDNER'S Patent "RAPID" SIFTER, MIXER, AND ESSENCE SPRAYER.

Price

Size

For breaking down large and hard lumps in Sugar, Acids, Chicory. Salt, Colours, Soda, small enough to be reduced, sifted, and mixed afterwards.

(Fig. 7.) For adding Liquids, Essences, Flavourings, Liquid Colours, Oils, &c., to Sugar, Acids, Flour, Face Powders, Disinfectants, Seasonings, fectants, Seasonings, and many kinds of Powders





Fig. 8.

### Open Bottom Pattern.

Size A	•••	Pric	e £
"В	•••	,,	£
,, C	•••	,,	£
" D	•••	,,	£
,, E	•••	,,	£
F			£
,, G		,,	£

CARDNER'S Patent "RAPID" SIFTERS (Figs. 8 to 12) (Power Sizes) sift any kind of Dry Powders, and reduce to powder any that may be lumpy, such as Tartaric Acid, Bicarbonate of Soda, Magnesia, Arrowroot, Sugar, Flour, Colours, Sheep Dip, &c.



FIG. 9. Hopper Bottom Pattern.

iz.e			•••	]	Price		
11	B	• • •		•••	**	£	
1.9		• • •	***	• • •	11	£	
**	$\mathbf{D}$				7 0	£	
2.5			• • • •	•••	**	£	
	F		•••		**	£	
91	G			•••	11	£	



Fig. 10. Worm Bottom Pattern

** 0		Docte	,,,,,	acce	3 E A
Size B			1	Price	
	•••	• • •	• • •	**	£
	•••	•••	•••	**	£
77	•••	•••	•••	13	£
,, F	•••	***	•••	**	£
,,		***		33	



Fig. 11. Large Capacity Worm Bottom.

Size H		Price ₤	
SIFTERS	entire	CAPACITY of cly depends of sieve used	1



Iron Stand Pattern.

Size		•••	•••		Price	
٠,	C	•••	•••		. ,,	£
"	E	• • • •	• • •	10	. 29	£
27	F	•••	•••	• • •	9.5	£
	Ĝ		•••		11	£

NOTE .- All prices are now withdrawn owing to the increasing cost of materials and labour

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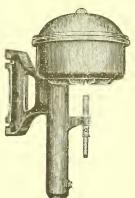
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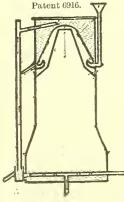
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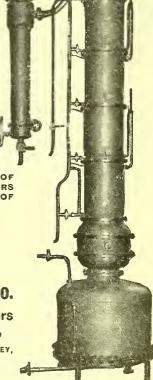
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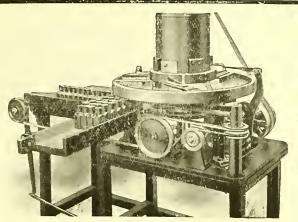
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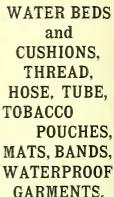




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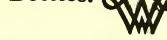
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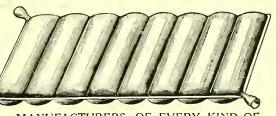


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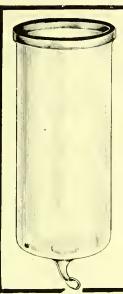
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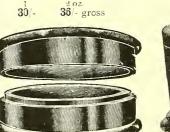


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Flat Silk or Satin Top Puff.



Actual Size.





" PORTIA"

BABY BALANCE.
Will Weigh Baby.
Will Weigh Anything.





"A MOST GRATIFYING SUCCESS."—India-Rubber Journal, 2/1/15.

# ROWE'S

# Patent Hot Water Bottle Stoppers.



Indiarubber Hot Water Bottles fitted with these Patent Stoppers have, during the past winter, been sold by over 5,000 Chemists, and have given entire satisfaction. Obtainable through every wholesale house in Great Britain and Ireland.

## ADVANTAGES :-

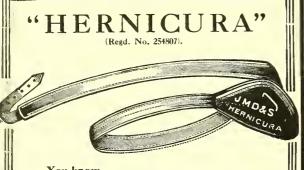
Stopper Sockets can never become loose. Bottles cannot leak around the stopper. No unsightly wiring-on of stopper. Stopper Socket firmly embedded and anchored in the neck of hot water bottle. Stoppers fitted right down at the bottom of the funnel. No scalding water left in funnel after filling.

NO EXTRA COST.

NO MORE LEAKY BOTTLES.

Sample Stopper Socket sent Post Free.

## WILFRID ROWE, 52 HAROLD ROAD, LEYTONSTONE, LONDON, N.E.



## You know

how often you have trouble in fitting customers with trusses, and how frequently dissatisfaction is expressed.

## Trv

the "Hernicura" Trusses. They are easy to fit, possess great adaptability. give absolute satisfaction, and yet are most reasonable in price.

WRITE FOR PRICE LIST. SPECIMENS ON APPRO.

John Morgan Davis & Sons TRUSS & SURGICAL APPLIANCE MAKERS. 278 BISHOPSGATE, E.C. (1)

# A Minimum profit of 20%

Hardcastle's Preparations have now been registered on the P.A.T.A., and as an extensive advertising campaign has just commenced for their well-known Ointment, Hardcastle's Balm of Gilead, it would be wise to order a small supply immediately.

## HARDCASTLE'S

balm for every

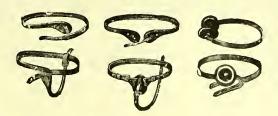


has been registered to be retailed at  $7\frac{1}{2}d$ .. nas ocen registered to de retailed at 72d... 1/-, and 2/6 (minimum), the wholesale prices being 6/-, 10/- and 25/6 per dozen respectively. Orders supplied either direct or through your wholesaler, irrespective of quantity. Write for terms regarding window displays.

## HARDCASTLE & SONS, 2 Finkle Street, Stockton-on-Tees.

Hardcastle's Balm of Gilead has an enviable reputation for the cure of cuts, wounds, and all skin complaints, having been manufactured by the Proprietors for over a century.

## BAILEY'S



# TRUSSES

WHOLESALE. BEST QUALITY ACTUAL MAKERS. BOTTOM PRICES.

MADE ON THE PREMISES. Specials Despatched in 24 hours.

Illustratea Frae List Free.

Bailey's Circular Trusses... ... ... 2nd Quality
"Special "Marone," with Custo with Customer's

Name in Gold on Orders of not less than 1 Dozen ...

Correspondence Invited.

Per Dozen Single Double 16/9

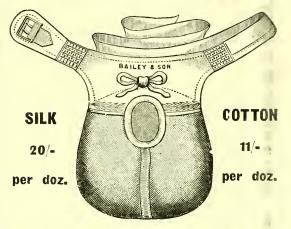
26/- 43/-

Best Shipping Terms.

## BAILEY'S

"A.B.C."

# SUSPENSORIES

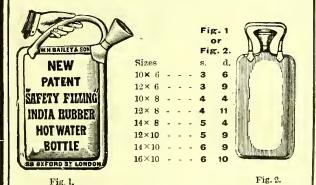


Assorted-A, small; B, medium; C, large Bags.

## A COMPLETE REGISTER IS KEPT FOR ALL REPEAT ORDERS.

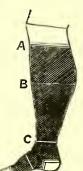
# BAILEY'S HOT WATER BOTTLES.

VERY BEST RUBBER at lowest prices.



BAILEY'S

# **ELASTIC STOCKINGS**



SPECIALS can always be repeated.

SILK, per pair - 7/10, 10/-COTTON ,, - 4 10, 6 2 Knee Caps, SILK per pair, 5/-, 6/8

> COTTON per pair, 3/6, 4/2

W. H. BALLEY & SON, 38 OXFORD STREET, and 2 RATHBONE PLACE,

## TWO SPECIAL LINES

that ALL Chemists should stock.



## The "EUREKA" **Herno Truss**

The most luxurious of any wear. Special soft composition pads.

Prices, PER DOZEN: Single, 24/- 33/- 36/-Double, 33/- 48/- 54/-

Net for quantities.

## The "EUREKA" CRÉPE VELPEAU Rubberless BANDAGES

The Largest Sale of any similar article in the world.



Prices, PER DOZEN:

2 in. 23 in. 35 in. 8 in 11 in. 12/- 15/- 18/- 36/- 54 - 5

2 in. 21 in. 31 in.

2nd Quy. 9/- 12/- 15/-

10% for 3 dozen: 20% 6 dozen and 25% 1 gross and upwards

Wholesale from all Wholesale Houses, or from Head Office: 4 Albion Place, Blackfriars Bridge, LONDON, S.E.

## A Proved Healer of Skin Diseases and WOUNDS

Strongly recommended by Doctors

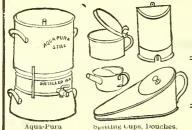
Sphagnol can cure the most acute forms of Eczema, Psoriasis, Acne, Herpes, Ulceration of the Ear, Blepharitis, Ringworm, Dandriff, Hæmorrhoids, and Pruritus

Sphagnol is an Antiseptic Preparation, easily applied, and can be borne by even the most sensitive parts. It has been tested for many years by medical men, and their reports leave no room to doubt its efficacy. Sphagnol Preparations consist of Soaps, including a very fine Shaving Soap, Suppositories, Ointment and Cream, which are put up in an attractive style. Sphagnol Medical, Toilet, and Shaving Soaps have been awarded the Certificate of the Institute of Hygiene Quality and Purity,

Chemists are cordially invited to write for Full Particulars and Free Samples

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## **Enamelled Hospital Requisites**



HIGHEST QUALITY. PERFECT PACKING.

BRITISH MANUFACTURE

> Write for Catalogue.

ORME, EVANS & CO., LTD. Works: Wolverhampton, England.

## Please Try Our DISPENSING BOTTLES & PHIALS.

We send six gross assorted or otherwise, carriage paid, to any address in the United Kingdom. Smaller quantities not carriage paid.

Clear Blue Tinted. Best Quality. QUININE.

3 & 4 & 6 & 8 & 12 & 16 ozs. Plain or graduated, round edges

10/6 11/6 16/- 20/- per gross. 11/6

CHEAP BOTTLES for dispensing. 3 & 4 | 6 | 8 oz. Plain or graduated, round edges. 3 & 4 9/-9/- per gross.

WHITE PHIALS-GOOD QUALITY.

1  $1\frac{1}{2}$  2 oz. Plain or teaspoons. 4/6 4/9 5/3 per gross.

I. ISAACS & CO.,

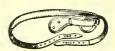
106 MIDLAND ROAD. ST. PANCRAS, LONDON, N.W.
or ISLINGTON BOTTLE COMPANY, 7 New Inn Yard, Tottenham Court Road, London, W.

Orders sent to either establishment have attention. Established 100 Years.

# J. H. HAYWOOD, LTD.

Castle Gate, NOTTINGHAM.

## Surgical Appliance Manufacturers.







# Inventors of Seamless Elastic Hosiery

Specialities:

BELTS, TRUSSES, SUSPENDERS, BRACES, DRUGGISTS' SUNDRIES.

Write for Price List.

# PROFITABLE ENGLISH MADE GOODS.



BLACK OR

TRANSPARENT

2/3 per doz. net

24/- per gross net.

(for orders of 3 doz.

INGRAM'S



TEAT

AND VALVE. BLACK OR

GRIP TIGHTLY TO THE BOTTLE AND WILL NOT SLIP OFF.

STERILIZABLE BY BOILING.
PERFECTLY HYGIENIC.

TRANSPARENT

1/9 per doz. net

18/9 per gross net.

(for orders of 3 doz.

and over).

Retail price 2½d. each.

and over).
Retail price 3d. each

If your Wholesaler cannot supply, please write us:—

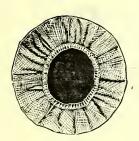
BAND

Patentees and Manufacturers:

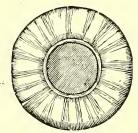
J. G. INGRAM & SON, Hackney Wick, LONDON, N.E.

# BATHING CAPS & SPONGE BAGS

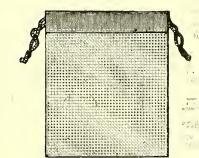
MADE ON OUR PREMISES.



CHECK.



JACONETTE.



BATHING CAPS.

Check Sheeting, Jaconette, pink, drab or yellow ... ... ... per doz. 4/6

" Twill " superior quality, " or coloured proofing ... " 6/6

We make these in sizes suitable for School Children at 4/- per doz.

No. 1 9×8  $11 \times 10 \quad 12 \times 11$  $13 \times 11$   $14 \times 13$ SPONGE BAGS. Sizes 7×6  $8 \times 7$ 10×9 Check Sheeting, per doz. 3/3 3/9 4/3 5/-6/-9/-10/9 10/-Check Twill, super, " 5/3 6/6 7/6 12/6 15/-

CUXSON, GERRARD & CO., OLDBURY

CELTYL, FLUID, 18-20 CO-EFF.

CELTIC CROSS, Ordinary Disinfectant Fluid. CELTOLENE, Antiseptic Liquid Soap. CELTOL, Antiseptic Lysol Substitute.

> Sheep Dip, Crude Carbolic Acid, Soap Powder, Domestic Liquid Soap and all other Coal Tar Products. All British made by the CELTIC CHEMICAL CO., GLASGOW.

Sole Consignees: AUGUST REICHWALD, Ltd. (Established 1872. Entirely British owned and controlled),

Finsbury Pavement House, LONDON, E.C.

INDEX and BUYERS' GUIDE

See pages 5 to 8.

FROM ALL SUNDRY DRUG HOUSES.



IN 1-DOZ. SHOWCASES. MENDIT LTD., BIRMINGHAM.

A. MILLAR & CO., LTD., DUBLIN PURE ORANGE WINE

VINUM AURANTII, B.P.

SEND FOR PRICE LIST,

Prepared in strict accordance with the Formula of the British Pharmacopeia.

London Agent: JAMES STIRTON, 43 GREAT TOWER STREET, E.C.

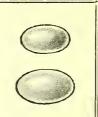
(Wholesale only.

Wholesale & Shipping only.

MEDICINAL GELATIN

CAPSULES

TYE'S



PERLES

EMPTY VETERINARY CAPSULES.

Hand or Machine Made. Absolutely Pure Contents. To suit all Climates. Best Finish.

John Tye & Son, Manufacturing Packington St., London, N.

INQUIRIES SOLICITED

# AIR CUSHIONS.



## BRITISH MAKE.



Fig. 1194.

Fig. 1354.

Fig. 1194.—The "EMPIRE," red India-rubber Air Cushion—								
O	Diameter	14	15	16	17	18	19	20 in.
	Each	5 0	5 6	6 0	6 6	7 6	8 6	9 6
Fig. 1354.—Air Cushion, sateen covered, reeded Sizes $14 \times 10$ $15 \times 12$ $18 \times 14$ in. Each $3 \ 3 \ 9$ $4 \ 6$								
Special Line.—Khaki-covered Pillow, 17×12 in., in khaki case with clasp each 3 9								

# SEAMLESS ENEMAS.

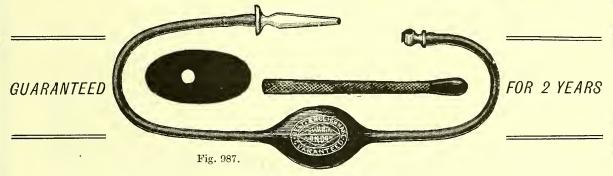


Fig. 937,—The "B.E.M." (Best English Make), with bone rectal pipe, etc.,	S.	d.
complete in superior card box, per doz.	17	0
,, in leatherette dome-top case ,,	19	0
super quality ,, ,,	24	
extra large and stout, the finest article made ,,	32	
Fig. 988.—The "EMPIRE," complete in card box ,,	18	O

# CLINICAL THERMOMETERS.

As we are now manufacturing these goods in our own workshops we are able to give the closest supervision to their careful production, and we can guarantee the highest standard of quality being maintained.

The "EMPIRE."		The "DUO-IN-UNO."			
(ORDINARY STYLE)	s. d.	(QUICK SHAKE DOWN)	s. d.		
Hospital pattern per doz	8 0	Hospital pattern per doz.	12 0		
" lens front "	12 0	" lens front … "	16 0		
60-seconds, plain ,,	10 0	60-seconds, plain	15 O		
" lens front "	14 0	lens front ,,	20 0		
30-seconds, plain ,,	12 0	30-seconds, plain ,,	18 0		
" lens front "	16 O	l " lens front … "	27 0		
Certificate of accuracy verified by Kew Obse	ervatory for a	ny of above Thermometers ,,	15 O		

Each thermometer is in a metal case, and packed in a specially designed card box with descriptive label on lid. Customers' names engraved on the Thermometers free of charge. We accept all risk of breakago in transit if advised by return of post.

5% discount allowed for prompt cash off above prices. Carriage paid on Orders of £2 and upwards to any town in the United Kingdom.

We are the right House for BRITISH-MADE COODS—Bandages, Belts, Catheters, Clinical Thermometers, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Trusses, Splints, Water and Air Beds, Water and Air Cushions, Waterproof Sheeting and every description of Rubber and Vulcanite Coods.

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Our Goods are right.

Money back if not satisfied.

# BURGE, WARREN & RIDGLEY, LTD. 91 & 92 GREAT SAFFRON HILL, LONDON, E.C.

# BARNETT & FOSTER

Essence Distillers, Manufacturing, Analytical and Consulting Chemists to the Aerated Water, Brewing and Confectionery Trades.

CONCENTRATED
SOLUBLE
ESSENCES

PURE
ESSENTIAL
RED OILS
CLUB

RED CLUB BRAND RED CLUB

FRUIT CORDIAL
AND LIQUEUR
ESSENCES

RED CLUB

CHEMICALS AND DRUGS

HARMLESS LIQUID COLOURINGS FOR AERATED BEVERAGES. HARMLESS COLOURS IN POWDER FOR CONFECTIONERY. "NIAGARA" SOLUBLE HEADING POWDER.

## "NIAGARA FOAM"

A highly concentrated heading liquid for imparting a rich, creamy, close, and lasting head to beverages of all kinds.

# "NIAGARA SPRING-WATER CRYSTALS"

Enable water to absorb a much larger proportion of Carbonic Acid Gas, and thus greatly increase its briskness and vivacity.

EXTRACTS FOR BREWING NON-ALCOHOLIC BEVERAGES; FININGS FOR SYRUPS, BEERS, WINES, AND CORDIALS. CONCENTRATED VINEGAR ESSENCE.
ALL CHEMICALS, DRUGS, HERBS AND MATERIALS EMPLOYED BY MINERAL-WATER MAKERS, BREWERS, CONFECTIONERS, LIQUEUR AND CORDIAL BLENDERS.

## Equid and Solid Preservatives.

## Pure Salts for Mineral Waters.

Orders for Two Gallons and upwards of Essences can be shipped in bond. This quantity may be made up of different Essences, and the Bottles may be of different sizes.

MONTHLY PRICE LIST ON APPLICATION.

SPECIFY

"RED CLUB" BRAND ON INDENTS.

Office and Laboratories-

Telegraphic Address-"DRINKS LONDON."

## NIAGARA WORKS, 26' EAGLE WHARF ROAD, LONDON, N.

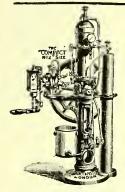
Branch House: Johannesburg, P.O. Box 1316; Manager, Mr. CARL ALBERT.
Cape Town, P.O. Box 1391; Manager, Mr. F. G. INGRAM.
Indian Agents: S. FITZE & CO., Ltd., Bombay, Calcutta, Karachi.
Australian Agents: E. F. BROAD, Ltd., Brisbane and Sydney.

Stocks held.

# BARNETT & FOSTER

COLD MEDALS.

The Best House in the World for all requirements of the Mineral Water Trade. HICHEST AWARDS.



# "COMPACT" complete Soda-water Machine

For use with Compressed Carbonic Acid Gas is specially designed FOR CHEMISTS, and is provided with one or more filling machines.

Occupies little space. Ready for immediate use. Requires no fixing.

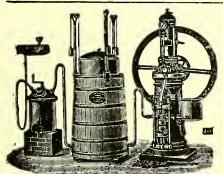
Produces Soda-water, Lemonade, etc., of the highest quality and greatest purity.

## PRICES-

- No. 1.—Capacity 1,200 dozen per day, including Filling Machines for Bottles and Syphons ... £60 ... £48 No. 2.—Capacity 600 dozen per day, including Filling Machines for Bottles and Syphons No. 3.—Capacity 300 dozen per day, including Filling Machines for Bottles or Syphons
  - We also make a smaller machine at £20. THE PERFECTION OF SIMPLICITY.

## AUTOMATIC CARBONATION.

To those who can spare space in which to generate their own gas, we offer the "Niagara" machines advertised below.



## " NIAGARA" Soda-water Machine

(Continuous Action).

This machine is superseding all other types for the manufacture of FIRST-CLASS Aerated Waters, and is in use in most of the leading manufactories throughout the world

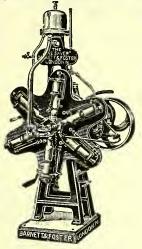
## PRICES, COMPLETE, from

FITTED FOR HAND AND POWER

Particulars of Larger Sizes on application.

NOTE.—These machines are sent out by us complete and ready for work. We include all necessary connecting pipes without extra charge.

No "extras" to pay for after buying our machines.



## STUDY QUALITY—AS CHEMISTS MUST—

By Bottling on our Latest Types of Filling Machines. We Guarantee the

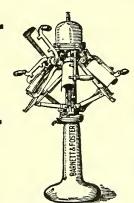
## **Highest Quality Soda-water** at 60-lb. Pressure!

thereby Saving Gas, avoiding Bottle-breakage and improving quality of Products.———The secret:

## BACK PRESSURE—PROPERLY APPLIED.

Particulars of the "GAS-SAVER," for filling Codd's and Niagara Bottles; The "ROUNDABOUT," for filling Corked, Crowned and Screw Bottles sent on application.

SAVE MONEY.

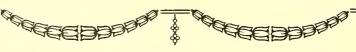


THE "ROUNDABOUT," in 6 sizes, prices from £25

"GAS-SAVER," Price £60

CATALOGUE of all our Manufactures, including Syphon-filling Machines, Syphons, all classes of Bottles, Modern Bottle-washing Appliances, Ice and Refrigerating Plant, Essences, Flavourings and Drugs, and every requirement of the trade sent FREE on application to—

NIAGARA WORKS, 26' EAGLE WHARF ROAD, LONDON, N., AND AT BOLTON, LANCS.



# IDRIS Table Waters

Chinaways

AS SUPPLIED TO H.M. THE KING.



PREPARED WITH

# Distilled Water

Fixed Minimum Retail Prices—allowing a good Profit to Chemists.

Full Particulars of Agency Terms on application.

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BRANCHES: Liverpool, Southampton, Canterbury. DEPOTS: Bournemouth, Margate, Folkestone, Southend.

March 13, 1915

To Aerated Water Manufacturers.

## DELICIOUS AERATED BEVERAGES

ARE MADE FROM

# HAY'S ESSENCES

Cream Soda Essence,

Cream Raspberry Essence (MADE FROM),

Cream Strawberry Essence (MADE FROM)

Orange Squash Essence.

Peach Ripe Essence,

Claret and Lemon Essence,

Cherry Cider Essence,

Lemon Squash Essence (BRIGHT or CLOUDY)

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Orange Champagne Essence,

Kola Champagne Essence, and

"Pale Dry" Ginger Ale Essence.

SAMPLES AND FULL DIRECTIONS FOR USE FREE ON APPLICATION.
ATTRACTIVE LABELS AND SHOWCARDS SUPPLIED.

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Indentors when ordering should specify HAY'S manufacture.

# WILLIAM HAY, Ltd. ESSENCE HULL & LONDON.

Head Office and Laboratories-HULL, Eng.

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London Depot-3 YORK ST., WALWORTH, S.E.

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London, No. 2753 Hop. Hull, No. 488.

Code: ABC, 5th Edition.

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HOBSON'S CELEBRATED BRITISH

# SPRUCE BEER

(also known as Black Beer)

(NON-INTOXICATING)

A great restorative—builds up and strengthens the whole system.

No licence required for its Sale.

## DANZOVIN (registered)

(rectails at 1/4 per bottle)

# MEAT AND MALT WINE (with or without Quinine)

ORANGE QUININE WINE

(200.0)

Write for samples & quotations to

JOSEPH HOBSON & SON,

Regent Street, LEEDS.

The original Black Beer Brewery, established a century.



# Prompt Sales Quick Turnover Increasing Demand Protected Price

You stock "Wincarnis"—our advertising sells it for you. There is an enormous and ever-increasing demand for "Wincarnis," because it is a good article backed up by a powerful advertising campaign. Don't risk losing sales through being out of stock. Glance at your stock now.

IMPORTANT NOTE TO CHEMISTS WITHOUT LICENSES.—It has been established by law that Registered Chemists may sell "Wincarnis with Quinine" without a license.

COLEMAN & CO., Ltd., Wincarnis Works, NORWICH.



Agents Wanted Abroad.

By Appointment to



H.M. The King.

All Chemists must be prepared to Supply

# "MALVERNIA" (Molly)

The Best of British Sparkling Table Waters

An Alkaline Table Water, invaluable in cases of Gout, Eczema, Acidity, Indigestion, Stone, Gravel, or Kidney Troubles. From the historic St. Ann's Spring, Malvern.

To replace German Sparkling Table Waters.

LIBERAL ALLOWANCE TO THE TRADE.

FULL PARTICULARS FROM THE SOLE PROPRIETORS:

W. & J. BURROW, The Springs, MALVERN.

# "Stretton"

The English

# Natural

# Table Water

The Purest in the World.

Copy of Analysis sent on application.

The Stretton Hills Mineral Water Co.
Church Stretton.

London Depot: RICHARD DAVIS, 26 Maddox Street, W. Manchester : JEWSBURY & BROWN, Ardwick Green.

Church Stretton, Salop.

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FOR

# BRITISH EAU DE COLOGNE

LABEL YOUR OWN, AND SELL THE HOME PRODUCT.

Various Samples from

JAMES TOWNSEND & SONS,

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EXETER & LONDON.

# Good!! it's

MAKE

PRIME

HERB

BEER

AT

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FROM

MASONS

**EXTRACT** 

OF

HERBS.

MILLIONS

OF

GLASSES

DRUNK

DAILY

BÝ

WORKERS

ALL

OVER

THE

EMPIRE.

A 6º BOTTLE MAKES 8 GALLONS.

NEWBALL & MASON, NOTTINGHAM.

MASONS

# SEDNA

# is the Ideal Food Beverage

It contains

Extract of Meat Quality.

Coca Leaves Active Principles.

Kola Nuts

Port Wine

Active Principles.

Finest Quality.

Chemists will thus recognise how useful SEDNA is for recuperating patients in hospitals, etc., and how invaluable it is for anyone suffering from Anæmia.

30/- DOZ. (Large Bottles).

CARRIAGE PAID, F.O.B. LONDON, LIVERPOOL, OR GLASGOW.

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And 25 Great Tower Street, LONDON, E.C.

AGENCY PROPOSALS ENTERTAINED.

ESTABLISHED 126 YEARS.



TRADE MARK.

4300 IN PRIZES given canually to users of R. J. F. & B.'s preparations.

Celebrated Preparations are used and recommended at the principal Dairy Institutes, and have the largest sale in Great Britain.

Light and death

preparations are supplied in bulk: also packed with

These

customer's own labels; Kindly allow us to submit Samples and Quotations,

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Tel. Address: "Pillischer London."

Established 1843.

Telephone: 4418 Gerrard.

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MANUFACTURER OF SCIENTIFIC INSTRUMENTS AND OF THE

MANUFACTURER CELEBRATED "INALTERABLE" CLINICAL THERMOMETER.

RECENT EXHIBITIONS: 12 GOLD MEDALS-14 GRANDS PRIX. GAND, 1913, GRAND PRIX; GAND, 1913, HORS CONCOURS. (French Section) (British Section)

# HOLIDAY & CO.

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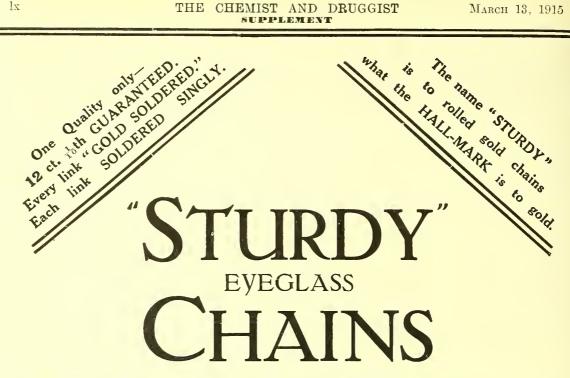
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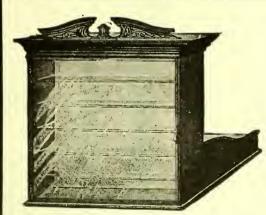
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WOULD you like a show that incurred no risk and sold this line NOW? Thats the interesting proposition we should like to tell you about if we may.

CHRISTYS, OLD SWAN LANE, E.C.

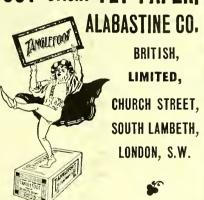
# TANGLEFOOT SEALED FLY PAPER.

SIR JAMES CRICHTON-BROWNE,

in his Presidential speech at the Annual Conference of the Sanitary Iu-spectors'Association spectors'Association on August 6th, said:
"The Fly-plague in South Africa was markedly diminish-ed wherever punc-tilious care in the prompt removal of all refuse from the vicinity of the camp was combined with as combined with a liberal use of

**TANGLEFOOT** FLY PAPER."

The Times, August 9, 1902,



ALSO OF

All Chemists' Sundriesmen.



Parcel Post, packed. 150 Sheets, 5/-

Per case of 500 Sheets, 15/-

NEW SIZE TANGLEFOOT, 10/6 per case of 400 Sheets. TANGLEFOOT is specially adapted for hot Climates, and Is sold throughout the world.



SPECIAL TERMS to Export Merchants and Shippers.

# "MILK OF MAGNESIA"

(REGISTERED TRADE MARK)

IS THE ORIGINAL AND ONLY GENUINE In bottles, 1/- and 2/3.

# "Phospho-Muriate of Quinine Co."

PHILLIPS' In bottles, 4/6

# THE CHARLES H. PHILLIPS CHEMICAL CO.

14 HENRIETTA STREET, COVENT GARDEN, W.C.

Telephone No.: 275 Gerrard.

# DURANGN

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, MARCH 13, 1915

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers), and to ensure prompt insertien REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to talephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

# **BEST RESULTS**



That is what advertisers in The Chemist and Druggist Supplement secure. Not in-

definite returns from spasmodic and inflated circulation, but regular, steady success-the best possible in the Drug Trade. It gives

PUBLICITY TO PAY

# CHEMISTS' TRANSFERS.

# Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, S.W.—Good-class Business, Retail and Dispensing, situate in an attractive residential locality; returns between £1,400 and £1,500, with profits above the average; well-fitted shop, fully stocked; terms, valuation and small sum for goodwill.

2.—LONDON SUBURB.—Retail and Dispensing Business, situate in busy main thoroughfare; returns exceed £1,400 per annum; to effect a speedy transfer vendor is willing to make some considerable sacrifice.

3.—LONDON, W. (Main Thoroughfare).—Retail and Dispensing Business; steadily increasing; returns now about £20 per week at fair prices; price £450.

4,—MIDDLESEX (Suburban).—Retail and Dispensing Business, situate in shopping thoroughfare; returns between £1,700 and £1.800 per aunum; gross profit 40 per cent.; price about £1,100; full investigation invited.

5.—LONDON, S.E. (Good-class Locality).—Retail and Dispensing Business; established many years; returns about £625; handsomely fitted shop; good-sized house; price £480, less than value of stock and 6xtures.

6.—LONDON (Northern Suburb).—Middle-class Business, Retail and Dispensing; main thoroughfare; returns £900; large double-fronted shop; price £250.

7.—SOUTH OF LONDON (Main Thoroughfare).—Middle-class Retail trade, including Dentistry and Optics; conducted under manager; returns £700; well-fitted shop, fairly stocked; price £275; part payment.

8.—MANUFACTURING TOWN (North of England).—Cash Retail with excellent Optical connection; returns show a steady increase, last year being £1,380; ret profit £580; valuation of stock and fixtures and sum for goodwill to be arranged equitably.

-SOMERSET (Main Line of Rail) .- Good-class Business, Family, Retail, and Dispensing; estublished many years; returns last year about £1,300; well-fitted shop, capitally situated; rent £55; to effect a speedy transfer some sacrifice would be made.

10.—SUSSEX.—Good-class Business, Retail and Dispensing; returns last year &860, increasing; net profit &253; double-fronted shop; comfortable residence; price &850.

-EXETER (Within Easy Distance of).-Retail and Dispensing Business; returns between £750 and £800; net profit about £225; convenient house, held on lease; price £500.

12.—OXON.—Good-class Business with small Mineral Water Factory attached, returns about £1,000 per annum, at good prices; terms, valuation of stock and fixtures.

13.—SUFFOLK (Death Vacancy).—Old-established Business, much neglected; capable of considerable extension; returns average about £900 yearly; roomy premises; rent £35; valuation of stock and fixtures only required; part payment.

14.—Retail and Dispensing Business situate in good position of a fashionable Health Resort on the South Coast; now returning upwards of £2,000 per annum; terms, valuation of stock and fixtures and about £100 goodwill.

## ALUATIONS STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

# BRETT & CO.

Licensed Valuers, 73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester."

Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS. NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of Buyers on our books, and we can frequently find a purchaser at once. We also have a Private Register for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

## STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£780 returns.—SEASIDE, HANTS.—Good-sized double-fronted Shop; nice-class Retail; at valuation of stock and fixtures, about £400.

£400 returns.—LANC.—Branch, General Light Retail; fine opening for Dental or Optics; price £180; easy terms.

£1,300 returns.—YORKS.—High-class Suburban Light Retail and Dispensing, with good house, yard, garden, etc.; price £900.

£540 returns.—LONDON, W.—Fine well-fitted double-fronted Shop in desirable locality for sale for family reasons; plenty of scope for Photo, Optics, etc.; at valuation, about £350.

£1,200 returns.—WALES.—General profitable Retail in colliery district; can be much increased by personal attention; net profit about £400; price £700,

£430 returns.—SHEFFIELD.—Light Retail; no N.H.I.; plenty of scope for this; appointment brings in £60 per annum; valuation, about £300.

£450 returns.—LIVERPOOL.—Branch; thickly populated district; suitable man could do £20 per week; price £170.

We have cash Buyers for businesses from £500 to £5,000.

Valuations conducted upon the shortest notice et moderate fees.

## PARSON BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.
Tel. No. Finchley 812.
Recommended by— BRITISH DRUG HOUSES, LTD.

MEGGESON & CO., LTD. BARCLAY & SON, LTD.

All correspondence should be addressed as above.

All correspondence should be addressed as above.

And at 174 VICTORIA ST., S.W. Tel. No. Victoria 27.

IN the Residential Part of a North-Western Suburb (Death Vacancy).—A good-class Dispensing and Family Business; now returning under indifferent management £12 weekly; well-fitted large double-fronted shop and good house (9 rooms, can easily let off) with side entrance; rent £100; lease 7 years or mere; price £275, which is less than value of shop and fixtures.

IN Large Manufacturing Town, South Wales.—Best position; an old-established Family trade and good Retail; normal returns exceed £2,000; now about £1,500, owing to continued ill-health of vendor, who is retiring and will sell for the value of the stock and fixtures, or thereabouts, under £1,000; part purchase money can remain.

RAPIDLY Rising Seaside Town in Devon.—A very progressing Business; now returning over £2,000, increasing annually; ealy one in opposition; rent £60; price about £1,200 as may be arranged; satisfactory reason for disposal, and full inspection invited.

## THOS.TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER, ESTABLISHED OVER HALF A CENTURY. Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that In cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object, The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

# BERDOE & FISH,

VALUERS & TRANSFER ACENTS. 35 Jewry Street, Fenchurch Street, City. Telephone: 1809 CENTRAL.

## NO CHARGE TO PURCHASERS.

1.—BUCKS.—Good Light Retail, Dispensing, and Prescribing Business, in pleasant market town; returns nearly £1,300; net profit £350; assistant kept; large house and garden; price £800.

2.—ESSEX (Popular Health Resort).—High-class Family Retail and Dispensing; returns average £16 weekly; good profits; plenty of scope; modern house and pharmacy; price £625, or offer.

3.—KENT.—Unopposed Mixed Village Business; same hands many years, retiring; returns £850; low rent; own property; comfortable house; price £500, or offer.

4.—DEVON COAST.—Good-class Retail and Dispensing Business; returns approach £800, increasing; good position; large modern-fitted pharmacy, well stocked; price £500.

5.—LIVERPOOL.—Cash Retail, Dispensing, and Prescribing; in main thoroughfare; returns last year £940, increasing; large well-fitted shop, good stock; price £500.

· 6.—KENT (Death Vacancy).—Unopposed Village Business; returns £7 to £8 weekly, besides N.H.I.; low rent; convenient house; price only £80, simply value of stock alone.

7.—LONDON, N.W.—Sound middle-class Cash Retail Business; in good position; returus over £1,500; net profit nearly £500; books open to fullest investigation; own property; price £800.

8.—LONDON, S.E.—Sound middle-class Cash Business, in main road; returns last year £970; net profit £350; books well kept; nice house and garden; well-stocked shop; price £450 cash.

## STOCKTAKINGS.

We undertake stocktakings on a very low scale of commission or an agreed fixed fee, please apply for our terms. Our pamphlet on stocktaking will be sent post free on receipt of post card.

Businesses Wanted. Buyers waiting.

## BUSINESSES FOR DISPOSAL.

3s, 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to partioular advertisements. The Publisher reserves the right to open and lefuse to forward any communications received which he may consider contrary to this rule.

BERKS (Market Town).—Old-established Business, returning over £500, good profits, with excellent opening for Dentistry; roomy house; nice garden; renewable lease; good start for beginner; easily worked single-handed, or would suit elderly gent desirous of taking things quietly; healthy district, 70 miles from London; price £275. Further particulars apply 265/21, Office of this Paper.

BRADFORD.—Old-established Light Retail Drug Business for Disposal at once; main thoroughfare, near Town Hall; reason, age; good opening for Panel. Particulars from "S. H.," 113 Bridge Street, Bradford.

LANCASHIRE CITY.—In heart of City, small well-established Lock-up Shop; big scope; a reasonable price required for prompt sale; investigation courted; trial allowed. Particulars 264/38, Office of this Paper.

ONDON, N.—Owing to death of manager, proprietor has decided to dispose of his old-established Branch Business; in main thoroughfare; well stocked; splendid profits; price £350 cash, or to reliable client fair deposit and balance by quarterly instalments would be accepted. "J.," 42 Carholme Road, Forest

MIDLANDS.—Light Retail and Dispensing Business for Sale (Established 1826) in popular health resort; returns £460; net profit one-third; could be easily increased by smart Window-dresser; good opening for Dental and Photographic work; vendor will sell at considerable sacrifice; correspondence invited. "Dacia," 263.8, Office of this Paper.

NORTH-EAST Coast (Fashionable Resort).—Old-established Business; well fitted; stock and fixtures at valuation; no agents. 266/31, Office of this Paper.

OXFORD STREET, W. (Two Doors From).—Splendid opportunity for smart Chemist; rent only £130 per annum, 7, 14, or 21 rears' lease; large shop and basement, handsomely fitted in oak; ceept any reasonable offer; stock at valuation; or would entertain bartnership. Apply 9 James Street (opposite Bond Street Tube Station), Oxford Street, W., between 1 and 2 p.m., or after 6 p.m.

CHEAP, for immediate Disposal, owing to illness, in a rising neighbourhood near Manchester, well-fitted modern Shop with iving accommodation; good opening; no goodwill; stock and fixtures £150, or valuation. Apply 265/33, Office of this Paper.

CHEMIST'S and Druggist's Business for Sale as a going concern; established 16 years; £100 or close offer for stock, fittings, goodwill, ctc.; good-class locality; shop with six rooms over; moderate rent; exceptional opportunity for beginner; £25 down and malance by casy payments. Apply "Chemist," 51 Maida Vale, London, W.

HEMIST'S Business for Sale; corner, double-fronted shop on main road; well populated and growing suburban district of tanchester; well fitted up and profitable general business. 34/61, office of this Paper.

XCEPTIONAL Bargain—High-class Business in county town; half Dispensing and Light Retail, half Photographic; turnover over £1,400; net profit about £375; increasing rapidly; good house, garden; lease; easily worked; suit young, energetic nan; will stand closest scrutiny; owing to continued ill-health will sacrifice at £475 for quick sale. "Calx" (266/14), Omee if this Paper.

OR Sale, an old-established (40 years) Chemist's and Druggist's Business owing to death of proprietor; well-stocked shop, and ituate in main business street of thickly populated working-class heighbourhood; no credit; dwelling-house attached; low rent. All particulars from W. H. Riley, 25 Horsefair Street, Leicester.

OR Sale, a very old-established and lucrative Chemist's, Druggist's, and Dental Business, situated in the very best business position of that most thriving naval, military, and dockyard own of Sheerness, together with the freehold premises, which omprise a modern, double-fronted shop, with up-to-date mahorany fixtures, fittings, and electric light, dental chamber (which as a separate entrance), and ample domestic accommodation; ll-health cause of disposal. Apply, Tower & Levy, Auctioneers, Sheerness.

OLD-ESTABLISHED Business in working-class neighbourhood for Disposal; price, stock and fixtures, by agreement; owner wishes to enlist. 209 Oldfield Road, Salford.

Po Chemists and Perfumers.—For Sale, Lease and Goodwill, Fixtures and Fittings of two Kiosks and one Shop situate at mportant Stations on Underground Railway in London; stock, if equired, at valuation. Apply J. C. Gardner, Chartered Accountant, 24 Coleman Street, E.C.

£500 will buy Wholesale and Retail Drug Stores in Lanca-shire cotton town; returns, despite war, over £30 a reek under unqualified; easily increased; easy rent; established o years, same hands; nicely fitted, and one of best stocks in he trade; good reasons. Apply, "Lancashire" (255/24), Office

## FOR SALE.

CASH Register, National, for Sale; makers' number 348; keys  $\frac{1}{4}d$ . to £1 10s.; as new; what offers? Write W. A., 9 Stewart Road, Stratford, E.

## TO LET.

OCK-UP double-fronted Shop and Parlour; well fitted, good order, plate glass; glass cases, stands, cupboard, etc.; main oad; house occupied by owner; long terms if you wish; no hemist near; see it now. 16 The Terrace, Merton Road, South-

HOP in decent middle-class locality; practically no opposition; rent £50. Apply on premises, 4 Eagle Terrace, Ealing Road, tembley. Key next door.

## APPRENTICESHIPS.

WANTED to apprentice young lady in a good Dispensing business; age 17 to 18; passed Senior Cambridge easy; indoors. Dive full particulars, "Pharmacist," 48 High Street, Feltham,

## TENDERS.

GUY'S HOSPITAL, S.E.

DRUGS AND SURGICAL DRESSINGS.

THE House Committee invite Tenders for the supply of Drugs and Surgical Dressings for twelve months from April 1, 1915. Further particulars, with Form of Tender, may be obtained on application at the Superintendent's Office.

Tenders, duly sealed, are to be sent to the Superintendent's Office not later than March 20.

#### WIGAN UNION.

THE Guardians of the Poor of the Wigan Union invite Tenders for the supply of Drugs, etc., for a period of twelve months from April 1, 1915.

Forms of Tender, containing the conditions of contract and probable quantity of each article required, may be obtained at the Union Offices, Victoria Buildings, King Street, Wigan, up to March 19, 1915.

Tenders must be delivered to me, the undersigned, not later than 12 o'clock noon on March 22, 1915.

By Order of the Board,

H. GORDON ACKERLEY, Clerk.

King Street, Wigan, March 3, 1915.

King Street, Wigan, March 3, 1915.

## PARTNERSHIPS.

EXCEPTIONAL opportunity for good man; Managing Directorship of Chemist Company, West End; salary £200; qualification £250 in shares. Write "J. B.," c/o G. Marris, Solicitor, 27 Chancery Lane, W.C.

PARTNERSHIP wanted in small Wholesale business; varied experience, Retail and Wholesale; qualified Chemist; used to travelling and good Salesman, and has good specialities. Reply "Nervo" (266/27), Office of this Paper.

## AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications. tions received which he may consider contrary to this rule.

AGENTS wanted for the "Whiteeross" Radium Applicator; specially attractive terms offered to Retail Chemists and to representatives who could influence agents amongst Pharmacists. Full particulars on application to Shirley Bros., Ltd., Whiteeross Works, London, S.E.

RNGLISH Pharmacist, now residing in Switzerland, would be pleased to do business for any British Wholesale house in Switzerland, France, or Italy; fluent French and German. Address "Delta," 5 Lichfield Road, Cricklewood, N.W.

FIRM in Yorkshire, dealing with Hairdressers, are open to receive buying or commission Agencies for Toilet Specialities, Hongroise, Soaps, Razors, Vibrators, etc. 261/10, Office of this

REPRESENTATIVE, leaving for Australia, with an established connection for Soaps, requires Agency for a first-class Soap house; no firm considered that is not agreeable to share expenses. "Savon" (35/8), Office of this Paper.

PEPRESENTATION wanted or Agencies for Leicester, Nottingham, Derby, and Northampton; or we would fill vacancies caused by travellers having gone to the War; specialities, Drugs, Drysalteries, Oils, etc.; advertisers have large warchouse and could hold and deliver goods as required; correspondence solicited. Give particulars to 265/37, Office of this Paper.

WANTED, Wholesale house as sole London Agents for Red, White, and Blue Grease Paints, etc.; large sale. Angus, St. Nicholas Street, Lancaster.

WANTED, Side-line or Agency; Traveller, resident Bristol, covering all West and Mid. of England representing one house, open to work well another Agency or Proprietary Article on commission basis with present one. "Devon" (266/1), Office

## SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d**4



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

#### RETAIL.

A NCOATS Hospital, Mill Street, Manchester.—Dispenser (Minor qualification) wanted at once to take full charge of Dispensary Department in this Hospital; previous Hospital experience preferred. Applications, stating age, qualifications, salary required, experience, etc., to be forwarded to the Secretary at the Hospital.

BATH.—Wilson & Dickinson require Junior or Improver, unqualified (outdoors), in high-class Dispensing and Retail, for Dispensing counter; no Insurance work. Apply, with full particulars, to E. G. Dickinson, 11 George Street, Bath.

BIRMINGHAM.—Assistant; unqualified; experienced; gentlemanly; good Salesman and Dispenser; one accustomed to good-class trade. Apply, giving full particulars of age, height, experience, salary required (outdoors), and, if convenient, enclose photograph, to Manager, Hedges (Chemists), Ltd., 10, 11, 12 Dale End, Birmingham.

BIRMINGHAM.—Assistant; unqualified; capable; experienced; pleasant, easy berth; Counter and Dispensing. Apply, by letter, 264/25, Office of this Paper.

BRIGHTON.—Outdoors; mainly for Dispensing; hours, 9-9; weekly half-holiday; alternate Sundays, 9-2 and 6-9; Applications (firstly by letter) should contain full particulars as to experience, and be accompanied by photo; no ladies' replies entertained. J. Colby & Co., 101 Western Road, Brighton.

PRISTOL.—Young qualified Assistant wanted; Dispensing (good class); easy position; comfortable home; very little N.H.I work. References and salary asked to Edward Maish, Cotham Brow, Bristol.

CARDIFF.—W. T. Hicks & Co., Chemists, require a reliable unqualified Assistant; good-class Dispensing and Counter experience absolutely essential; hours, open 3.45, close Monday-Tuesday 7.30, Wednesday 1.0, Thursday-Friday 8.0, Saturday 10.0; no Sunday duty; permanent berth. State age, height, salary required (outdoors), particulars of previous engagements, enclosing photo.

CHICHESTER.—Wanted, Junior or Improver for Light Retail and Photographic business. Apply, stating full particulars, salary required (outdoors), etc., Sidney Bastow, Pharmaceutical Chemist, Chichester.

CITY.—Wanted, young Junior Assistant; must have had first-class apprenticeship in good business; outdoors; no Sunday or night duty. Apply, with full particulars, 264/20, Office of this Paper.

OVENTRY.—Competent Assistant required in good-class Retail and Dispensing business; indoors or out; permanency for suitable man. State age, height, salary required, references to Henry Welton, Bishop Street, Coventry.

COVENTRY.—Capable Assistant (male or female), accustomed to high-class Dispensing and Family Retail, wanted at once, Full particulars to Chas. H. Welton, 60 Smithford Street, Coventry.

COVENTRY.—Assistant wanted after Easter; Dispensing and Counter alternate weeks; also Junior for Branch. State age, experience, salary required (outdoors), references, Bird, Chemist, Spon Street.

COVENTRY.—Smart unqualified Assistant required for highclass Counter and Dispensing business with Photographics. Send full particulars of age, height, and salary required (indoors or out), with photo (to be returned), to R. Evan Parker, 32 Hertford Street, Coventry.

DARLINGTON.—Assistant required; abstainer preferred. Apply, stating age, height, experience (if qualified), and salary required, to Waters, Chemist, Darlington.

HALIFAX.—Required, smart Assistant; must be good Counterman and Window-dresser; one accustomed to Store Fusiness and having some knowledge of Photography preferred; outdoors; no duty. Apply, stating age, height, experience, and salary required, to Taylors (Northern), Ltd., 4 Crown Street.

HARRCGATE.—Wanted, unqualified Assistant in a high-class Dispensing business; indoors; practically no N.H.I. work; also a qualified Assistant. Apply, stating age, height, references, and salary required, to A. B. Payton, Crown Pharmacy, Harrogate.

HASLINGDEN.—Wanted an Improver or Junior. State full particulars to C. O. Wain, 8 Church Street, Haslingden.

HERNE BAY.—Assistant wanted; permanency. Apply, stating age, height, experience, and salary required (outdoors), with photo, T. B. Cornfoot, Mortimer Street, Herne Bay.

HUDDERSFIELD.—Smart unqualified Assistant required; age about 26; must be a good Counterman and Dispenser; permanency; good salary offered to a thoroughly capable and reliable man. 262/902, Office of this Paper.

HULL.—Junior Assistant wanted, about 20, indoors, in good-class Retail and Dispensing business; two assistants kept. State age, height, salary required, and references to Metcalfe & Son, Pharmacists, Hull.

LEDS.—Manager (qualified) required for a small Branch shop. Apply, stating age, height, salary required, length of previous engagements, and when disengaged, to "Sod. Sal." c/o Messrs. Hirst, Brooke, & Hirst, Ltd., Millgarth Mills, Leeds.

Light Retail and Dispensing, Homocopathic and General; half-day weekly; no Sunday duty; state age, experience, and salary required, giving references. Apply Palmer, Chemist, 8 Halford Street, Leicester.

IVERPOOL.—Qualified Manager required for a small Branch.
State age, salary, and reference to "Kampis," 1 Fair View,
Park Road, Liverpool.

IVERPOOL (suburb).—Junior Assistant, unqualified, accustomed to good-class Retail. Dispensing, and Photography. State salary required and usual particulars (photo if possible) to F. J. Parker, The Pharmacy, Huyton, Liverpool.

LIVERPOOL.—Early in April, an Assistant, well up in Dispensing, for a good-class business; indoors. Please apply, with full particulars, to Anthony S. Buek, 179 Bedford Street.

#### TO SAVE TROUBLE.

MANY correspondents a swering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed clothis Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

#### ANSWER IN TERMS OF THE ADVERTISEMENT AND

- REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your subshileness.
- BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

VERPOOL.—Wanted, a competent Assistant; unqualified; outdoors; must be active and obliging; hours 8.30 to 9.30; rday 10; weekly half-holday. Apply, stating age, height, ry required, enclosing photo, etc., to W. Ashworth, Chemist, Seaforth Road, Seaforth.

VERPOOL.—Reliable, experienced Assistant, accustomed to Light Retail, Dispensing, and Prescribing business; closing 9 p.m. except Wednesday 1 o'clock; Friuay 9.30; Saturday 0; alternate Sunday duty 6 to 9 p.m. Please state particuof experience, reference to last two employers, age, height, y required, and enclose photo (will be returned), G. M. Sleggs, uist, 1 St. Domingo Vaic, Liverpool.

NDON.—Manager required for profitable business in a working class neighbourhood; liberal interest in the profits offered energetic and reliable man. 262/092, Office of this Paper.

NDON (Golder's Green).—Smart Junior Assistant required; would suit young man just out of apprenticeship. State age, y required, and when at liberty to commence, 262/029, Office his Paper.

NDON Hospital, Whitechapel, E.—Male Dispenser wanted; Minor qualification essential; commencing salary £120; shorts. Apply to the Pharmaccutist.

NDON.—Unqualified Assistant for Stock, Dispensing, and Window-dressing; whole or part time; quick Store trade; good er. Please send full particulars and references, salary, etc., Aspirin'' (267/37), Office of this Paper.

NDON.—A good Junior Assistant wanted; indoors; abstainer preferred; must have good references; no Sunday duty; an lent opportunity of getting a good practical experience in all thes of the business. Call or write, usual particulars and salary red, to W. Wilson, 80 Lamb's Conduit Street, London, W.C.

NDON, N.—Junior Assistant; about 22; outdoors. Apply, giving full particulars as to height, experience, and salary red, to J. H. Frost, Pharmacist, 9 High Street, Hornsey, N.

NDON, N.—Junior or Improver for quick Cash business in niddle-class district; good prospect to suitable man, who have good references. Apply S. Briggs, Chemist, Broadway, th End.

NDON, N.W.—Pharmacy and Optics; outdoors; whole or part ime; thoroughly capable Assistant; chiefly for Dispensing, ble to take Optical duty occasionally; qualification desirable, ot essential. Usual full particulars, with photo, to Brickell acs, M.P.S., F.S.M.C., 295 High Road, Brondesbury, N.W.

NDON, N.W.—Good Junior Assistant wanted with Dispensing xperience; outdoors. Apply P. Davidson, Pharmaceutical ist, Brondesbury, N.W.

IDON, N.W.—Competent Assistant wanted for good-class Dispensing and Retail business; outdoors; unqualified; only cept. Apply, stating full particulars and salary required, Elton, 28 Endsleigh Gardens, Euston Square.

IDON, S.E.—Wanted, qualified Manager for Branch (outdoors) or March 29; preference given to gentleman not eligible ilitary service; highest references essential; abstainer pred. Apply, with full particulars, age, experience, salary ret, ctc., to Austins, Ltd., 196-202 Bermondsey Street, S.E.

DON, S.E.—Young qualified Manager for busy Retail and ispensing business in working-class district; assistant kept; £156, with convenient house over shop and liberal commissor the right man. Apply, stating age and full particulars, to 2, Office of this Paper.

DON, S.W.—Bradley & Bourdas, 6 Pont Street, require a nalified Assistant for Dispensing; outdoors. Apply to Mr.

DON. S.W.—Required, Dispenser, with Minor qualification; ge about 25; hours of work approximately 8.45 to 6 p.m.; tô commence 50s. per week; outdoors; no Sunday duty. stating full particulars of experience, to 1505, Sells' ising Offices, Fleet Street, E.C.

DON, S.W.—Unqualified Assistant required early; must not b over 30 years old; good salary to man of experience. 9, Office of this Paper.

DON, S.W.-Wanted, qualified Assistant, about 25 years of re. Apply, with full particulars, to Amoore & Co., 173 Street, S.W.

DON, S.W.—Junior or Improver wanted for good-class Disinsing business; indoors or outdoors; two kept. Apply, to age, height, salary, and experience, to J. G. Feltwell, t, Church Road, Barnes, London, S.W.

DON, S.W.—Assistant wanted; quick and accurate Dispen-; qualified preferred. Apply, with usual particulars, to prome & Son, 1 Coleherne Terrace, Earl's Court, S.W. LONDON, S.W.—Qualified Manager; entire control; indoors or out. Write, stating experience, age, and salary required, to slator, 80 Ardgowan Road, Catford, S.E.

L ONDON, S.W.—Required, in a large West-End establishment, nn age about 25 years. Write, giving iull particulars, to 1513, Sells Advertising Offices, Flect Street, E.C.

I ONDON, W.—Junior Assistant required (outdoors) for good-class Dispensing business; hours 8.30 to 8; no late duty; Stinday duty nominal. Apply, giving usual particulars and enclosing photo, to W. Ive, 221 High Street, Kensington, W.

L ONDON, W.—Unqualified Assistant (outdoors), about 23 years of age, required. Apply, giving full particulars, to Blake, Sandford & Blake, 49 Dover Street, Piccadilly. W.

I ONDON, W.--Unqualified Junior or Improver wanted; outdoors; good-class Retail and Photography; no Sunday duty. Letters only, with particulars and salary required, Cottle, 20 Gosfield Street, W.

I ONDON, W.—Competent Assistant, with previous West-End experience, as Counterman; outdoors; short hours. Apply (personally preferred) to E. C. Evans, Chemist, Wm. Whiteley, Ltd., Westhourne Grove, W.

ONDON, W.—Two qualified Assistants required in a leading West End business. Applications, with full particulars of experience, to be addresed to "Pharmacist," 264/28, Office of this Paper.

LONDON, W.—Assistant wanted; must be good Counterman and with a knowledge of French. Full particulars to H. N. Davidge, 11 Shaftesbury Avenue, Piccadilly Circus, W.

I ONDON, W.C.—Assistant wanted at once for good-class Pharmacy and Dispensing business; outdoors; permanency for suitable man. Apply, J. W. Roberts, Chemist, 10 Tavistock Place, Russell Square, W.C.

L ONDON (West End).—Immediately, a qualified Junior for first-class business; must be thoroughly well up in Dispensing. Apply, giving full details of experience, salary required (outdoors), etc., to 264/8, Office of this Paper.

MALVERN.—Qualified Assistant for good-class Dispensing business; outdoors. Please give full particulars in first instance, stating salary required and when disengaged, and enclose photo if convenient, A. E. Baylis, Chemist, Great Malvern.

Manchester.—Elderly qualified Assistant required immediately; Salford district; permanency; easy hours; state salary required. 262/209, Office of this Paper.

MANCHESTER.—Wanted, a qualified Junior Dispenser, accustomed to high-class business; must be quick, accurate, and neat; an unqualified Assistant of experience is also required; no Insurance work or Sunday duty. State fully experience, age, and salary expected, 260/17, Office of this Paper.

MANCHESTER.—Qualified Manager required for a workingclass business; good salary and a liberal interest in the profits offered to a man willing to "take his coat off" and devote his energies to the business. 262/29, Office of this Paper.

MANCHESTER.—Wanted, a competent Senior Assistant for goodclass suburban business; good progressive salary for a capable man who desires a permanency. F. W. Bates, Brooks's Bar, Manchester.

MANCHESTER.—Branch Manager wanted. Apply, 34/56, Office of this Paper.

MARGATE.—Gentlemanly Assistant (outdoors), about 24, with experience, for good-class Retail and Dispensing business; comfortable borth. State age, height, salary required, and particulars of last two engagements to W. M. Rosser, Baily & Co., 2 Ethelbert Terrace, Margate.

MARGATE.—Qualified Branch Manager for permanency; competent and trustworthy; about 30; for good-class Retail and Dispensing business. Full particulars of last two engagements, age, height, and photo if possible, state salary (unfurnished rooms on premises), W. M. Rosser, Baily & Co., 2 Ethelbert Terrace, Margate.

NEAR Manchester.— Wanted, energetic Assistant; good and reliable Dispenser essential. Jacklin, Hale, Cheshire.

NOTTINGHAM.—Wanted, smart Junior Assistant or Improver for Wholesale and Retail; short hours; no Sunday work. Give full particulars, age, experience, and salary required to Dennis & Roberts, Ltd., Wholesale Druggists, Clumber Street, Nottingham.

RUGBY.—Wanted, immediately after Easter, Junior Assistant; for Dispensary and Laboratory work. Apply, giving the usual particulars, to A. G. Chamberlain & Co., Rugby.

T. LEONARDS-ON-SEA.—Junior or Improver wanted (indoors) for Light Retail and Dispensing. State age, height, references, and salary required, enclosing photo, to T. W. Jones, 55 Bohemia Road, St. Leonards-on-Sea.

CHROPSHIRE.—Junior Assistant wanted; indoors; aged about 20: hours 8.30 to 7 p.m. four days; close at 1 on Fridays; 9.30 Saturdays; no Sunday duty. Apply, with full particulars and salary required, to Morgan & Sons, Chemists, Wem, Salop.

OUTHPORT.—Wanted, a reliable Assistant, with a good know-ledge of Dispensing and Retail; outdoors. Send full particulars, age, reference, salary, etc., when disengaged, Jas. Righton, 515 Lord Street, Southport.

SOUTH OF ENGLAND.—Qualified Manager to live on the premises; good house; permanency, with interest in the business if satisfactory; must have had high-class Dispensing experience. State usual particulars to 268/17, Office of this Paper.

WARWICK.—Required, shortly, an experienced gentlemanly, and obliging Assistant for good-class Dispensing and Light Retail, with Photographic (no developing or printing). Please state age, height, and salary required and give references, to H. R. Croasdale, The Pharmacy, Warwick.

WESTON-SUPER-MARE.—Smart Junior required at once; comfortable berth; easy hours. Full particulars in first letter to F. Blackmore, 17 High Street.

YORK.—Wanted, Junior or Improver (outdoors) for good-class business; some Photographic knowledge desirable. Apply, giving full details of age, height, references, and salary required, and enclose carte (to be returned), to C. M. Brown, Chemist, Brown's Drug Co., High Ousegate, York.

YORKSHIRE (West Riding).—Unqualified Junior required for progressive business; permanency with excellent prospects; state when at liberty. 262/290, Office of this Paper.

CAPABLE unqualified Assistant in good-class Country Retail; outdoors; a comfortable berth to a reliable man. Apply, giving usual particulars and enclosing photo, to Benjamin, Chemist, Ross-on-Wye.

A PRIL 1st.—A competent Assistant (outdoors) in good-class Dispensing and Retail trade; qualification not required. A. F. Collis. 11 Abbey Churchyard, Bath.

A SSISTANT Pharmacist; first-class business. Apply, R. A. Robinson (W. Malden & Co.), 205 Brompton Road, London,

A SSISTANT for evening Dispensing, three or four nights weekly, 7 to 10 p.m.; salary 1s. per hour. Also à Junior Assistant; in- or out-doors; with experience in Insurance Dispensing preferred; three kept. Apply (letter only), stating age, experience, references, salary required, when disengaged, Barnard & Son, 309 Hackney Road, London, N.E.

A SSISTANT wanted; good Dispenser; knowledge of Photography. Crawford, Chemist, Horley, Surrey.

A SSISTANT required; experienced; comfortable permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

A SSISTANT wanted (outdoors), used to high-class business. Please state salary required and full particulars of experience in first letter, if possible enclose photograph (to be returned), Haywards, Leicester Square, Walsall.

A SSISTANT; unqualified; single; good general and Store experience preferred; light hours and no Sunday duty; must hold satisfactory references. Give full particulars as to experience, age, height, salary required in first instance to Mr. Crauham, Overton House, Durand Gardens, Clapham, S.W.

A SSISTANT; unqualified; Retail and Dispensing; no N.H.I. work; close Thursdays 1.30. State age, salary (outdoors), 263/17, Office of this Paper.

A T Once.—Wanted, a competent Assistant for Dispensing and Counter in good-class Family business. Apply personally, or by letter, to A. & H. Bailey, 64 High Street, Highgate, N. No one need apply who is eligible for the Army.

CHARLES B. ALLEN & SONS, Pharmaceutical Chemists, 20 High Road, Kilburn, N.W., require a qualified Assistant; outdoors; good Dispensing experience preferred. Apply personally or by letter.

(10MPETENT Assistant wanted for good-class suburban business; two Juniors kept; reasonable hours. State experience, salary required (outdoors), and when at liberty to "Chemist," The Laurels, Chase Road, Southgate.

COMPETENT Assistant, able to Dress Windows, required for first-class London Pharmacy; good salary; outdoors; no Sunday duty. Apply, 264/29, Office of this Paper.

COPE & Co., Pharmaceutical Chemists, Derby, require, after Easter, a well-educated Assistant, accustomed to good-class business; give full particulars with references.

GOOD men are scarce!—Bewell's, Ltd., 19-21 Pitfield Street, N., are willing to pay a good salary to a good man to take charge of a Branch; plenty of N.H.I. Apply, with full particulars to above address.

TMMEDIATELY.—Junior Assistant, 19 to 22, unqualified, for good-class Dispensing and Retail business; must be a competent Dispenser and capable Counterman. Full particulars, salary required, when disengaged, etc., with photo, to Hawley & Son, Pharmacists, 303 Aigburth Road, Liverpool.

IMPROVER or Junior for good-class and Mixed country business.

Please state age, height, experience, etc., salary required (outdoors), to Horrocks, Chemist, Knutsford.

IN- or out-door Assistant for the Dispensing Counter; must have had experience in a good-class business; not necessarily qualified; one desiring a permanency preferred. Apply, with full particulars and stating salary expected, to W. Adams, Pharmaceutical Chemist, Shrewsbury.

JUNIOR Assistant in Light Retail and Dispensing business for Branch; with or without time for study. Send full partner lars and photo to Charles Thompson, Pharmaccutical Chemist, Sparkbrook, Birmingham.

JUNIOR Assistant (outdoors) for good-class Dispensing business; easy hours; no Sunday duty. State age, salary, and references to C. H. Kirton, 53 Savile Street, Hull.

JUNIOR Assistant in good-class country business; state full particulars of age, experience, and salary required (outdoors), F. W. Taylor, Pharmaceutical Chemist, Nowport Pagnell.

JUNIOR for middle-class trade; moderate hours; must be a good Dispenser and Stockkeeper. Photo and fullest particulars to Berridge, Ltd., Chemists, Leicester.

JUNIOR Assistant.—Vacancy for one with good references and desirous of improving in quick Retail. Fred. Barlow, M.P.S., Balsall Heath, Birmingham.

JUNIOR or Improver in good-class quick Retail; outdoors. Please state age, height, salary, etc., A. A. Gillitt, Pharmaceutical Chemist, Gravesend.

JUNIOR wanted at once for high-class Dispensing business; in doors. Apply, with usual particulars and salary required, to A. H. Ellithorne, 26 Wellington Road, Oxton, Birkenhead.

JUNIOR or Improver wanted for good-class Dispensing business; hours 8.30 to 8; one third duty; outdoors. Apply, with full particulars, and if possible enclose photo, to Francis Rose, Boscombe Pharmacy, Bouruemouth.

JUNIOR Assistant wanted at once in Light Retail and Dispensing business; hours light; no Sunday or Bank Holiday duties; outdoors. State salary required with usual references to Mr. G. J. Gostling, Stowmarket.

JUNIOR or Improver wauted, used to quiek Cash Store business.

Apply, Squire, 168 Keutish Town Road, N.W.

MANAGER wanted; not necessarily qualified; energetic, good Counterman; good salary and commission. State full particulars to "Chemist," c/o Philip Josephs & Sons, Ltd., 93 Old Street, E.C.

MANAGER, qualified, for good-class Country Retail and Dispensing; salary 50s. per week, with commission and free house; easy hours and comfortable berth; to one showing good return encouragement will be given to acquire interest, with subsequent succession if desired. Apply, stating full particulars and references, to 266/22, Office of this Paper.

MESSRS. TAYLORS' DRUG CO., Ltd., Leeds, require smart mongraphic qualified Assistants. Please state salary required, references, experience, and when disengaged.

MESSRS, TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmaeist as Manager; not eligible for Military service; easy hours; good and progressive salary, with excellent prospects.

N.H.I. Prescriptions.—Chemist's Assistant or other qualified and accurate at figures, and able to carry a check through all processes; good prospects for suitable applicant. State age, experience, references, salary required, and when at liberty. "N.H.I.P." (264/31), Office of this Paper.

OUTDOORS.—At once, or soon as possible, an unqualified man, but capable, about 25 years of age; one used to up-to-date, quick business and not afraid of work. Apply, with full particulars, by letter (or 'phone 446 Streatham), to C. Breese, 73 Mitcham Lane, Streatham, S.W.

QUALIFIED Dispenser required at once in City Stores; short hours; close 1 o'clock on Saturdays; salary to commence 50%. per week; age not to exceed 45. Apply by letter, giving usual particulars, to "Salicyl," c/o Street's, 30 Cornhill, E.C.

QUALIFIED Assistant (indoors) for good-class business; state age, salary, and full particulars; also a Junior Assistant for Stook, with a practical knowledge of Photographic Developing and Printing. S. T. Milbank, Pharmaceutical Chemist, Bishop Stortford

QUALIFIED Locum wanted at once for good-class business, Retail and Dispensing. Apply, stating terms and with references, to T. Hiffe & Sons, Market Place, Nuncaton.

QUALIFIED Assistant required for good-class country business in Yorkshire; Dispensing, Photographic, and Agricultural; must be euergetic and obliging; married, and able to Extract preferred, but not essential; short hours; good opportunity for one who likes country life and seeks comfortable post with view to succession in a few years. Apply, with full particulars and photo (to be returned), 263/30, Office of this Paper.

QUALIFIED Branch Manager required, who can produce good references for reliability; a smart willing worker will meet with a permanency. Address, with full particulars, to Griffiths, Chemist, Droylsden.

QUALIFIED Locum wanted for June. Apply, Atkins & Son, Pharmacists, Salisbury.

QUALIFIED Assistant for good-class Dispensing business. Miller, 42 Mount Ephraim, Tunbridge Wells.

QUALIFIED Manager immediately; working class; centre of London; good salary; interest in profits; must be energetic, not afraid of work; permanency to suitable mau. Give full particulars in first letter, 266/19, Office of this Paper.

QUALIFIED Manager for small Branch in industrial district of Midland town; duties consist mainly of Insurance Dispensing, with some Counter work; hours are easy, with the usual half-holiday and no Sunday or Bank Holiday duty. Applicants must please give full particulars of experience, etc., also state age and salary required, 266/6, Cifico of this Paper.

QUALIFIED Assistant, middle of April, for S.W. suburb; goodclass business; outdoors. Full particulars as to salary, experience, etc., "Bury" (266/32), Office of this Paper.

QUALIFIED, middle-aged Assistant required, willing to take charge of and live over small branch if necessary. Full particulars in first letter to "Monmouthshire" (266/30), Office of this Paper.

QUALIFIED, experienced Assistant wanted; good Salesman, temperate, and of good address; to sleep indoors. Apply, R. S. Starkie, 126 Strand, W.C.

QUALIFIED Manager wanted (outdoors) for City business; short hours. Duggleby, 88 Waterloo Road, London, S.E.

QUALIFIED Junior; good pay to the right man; London experience preferred. Apply "Caustic," Messrs. S. Maw, Son & Sons, 7 Aldersgate Street, E.C.

RELIABLE and experienced Assistant required, not necessarily qualified, for small town on South Coast; preference given to one over 30 years of age and married; only those need apply who are prepared to give references bearing strict investigation and require a permanency. State age, height, experience, references, salary required, and when disengaged to "South Coast" (34/60), Office of this Paper.

REQUIRED, a smart Junior or Part-time man; good prospects for capable man; time allowed for study if necessary. S. W. Vincent, Chemist, Addiscombe; Croydon.

REQUIRED, capable man, fully qualified, to take entire charge high-class business in good district; house rent free; abstainer preferred. Write, stating salary required and all particulars, to 268/8, Office of this Paper.

SEASIDE.—Assistant, unqualified (outdoors), for good-class
Dispensing business. Send full particulars and photo, Wing,
8 Boulevard, Weston-super-Mare.

SMART young Assistant wanted immediately, starting Monday next; capable of taking charge; excellent prospects to suitable man. Apply personally H. M. Kydd, 781 Fulham Road, S.W.

TEMPORARY unqualified Assistant to commence 15th or 16th inst.; wages 45s., outdoors, and railway fare. Rex Allen, Pharmacist, West Bromwich.

TWO Dispensers for Red Cross Hospital, one qualified; salaries £10 and £6 monthly; outdoors. Apply, stating age, height, experience, references, to Mr. T. C. Milton, 265 High Street, Exeter.

NQUALIFIED Assistant (outdoors), single, wanted at once for Dispensing and Light Retail; easy hours. Apply, stating age, height, salary required, and reference, W. Charrington, Pharmacist, Lichfield, Staffs.

UNQUALIFIED Assistant wanted after Easter; outdoors; firstclass Retail and Dispensing; knowledge of Photography essential. State salary required and give full particulars of experience and references in first letter, H. H. Cannon, Chemist, Pengance.

UNQUALIFIED, age from 23 to 25; Counter and Dispensing, including N.H.I.; good-class business. State salary and experience, Vince, Pharmacist, Lancaster.

UNQUALIFIED Assistant at once for good-class Retail and Dispensing business; indoors preferred, but not essential. Apply, giving full particulars and salary required, to F. Wilde, 100 Brompton Road, S.W.

UNQUALIFIED Junior for good middle-cluss Retail and Dispensing business; indoors; wanted at once if possible. Send full particulars, Savage & Co., Pharmaceutical Chemists, Brighton.

UNQUALIFIED Assistant for Family Retail business; one used to N.H. Insurance; partial board; personal interview preferred. Apply, Lusher-Pontney, 98 Queen's Road, Dalston, N.

WANTED, an unqualified Assistant. State age, salary required (outdoors), Clare & Hunt, Scarborough.

WANTED, permanent Assistant as Traveller and to assist in shop; indoors; salary and commission; good opportunity. Apply, with full particulars, Eurdley & Furnival, Pharmaceutical Chemists, 265 Glossop Road, Sheffield.

WANTED at once, an Assistant for a good-class business in a pleasant town; honrs 8.30 to 8.30, 1 o'clock Thursdays, 10 o'clock 'Saturdays; no Sunday, night, or holiday duty; outdoors. Give full particulars to Walter Marchant, High Town, Hereford.

WANTED, Junior, Improver, or Part-time Assistant. Full particulars to Jeans, 151 Oxford Road, Manchester.

WANTED at once, Assistant with experience in good-class Dispensing business. Apply, giving full particulars as to experience, age, salary required, and whether qualified, Hall & King, West Cliff Pharmacy, Folkestonc.

WANTED, capable Manager for London Retail and Dispensing; indoors; must have good references. Salary, ago, photo, and particulars to "L. C." (263/35), Office of this Paper.

WANTED, early in April, a competent reliable Assistant, qualified preferred, for good Dispensing and Retail business. W. Pickard, 3 West Kensington Terrace, W.

WANTED, a good all-round man, in a Light Retail Dispensing business; Extractor; state age, salary required, and recent reference. Apply, "W.," 29 Miskin Road, Dartford.

Wanted by Chemist, mainly for N.H.I.; temporary permandered by the state objection to elderly. Apply, giving full particulars, age, salary, etc., C. E. Donnelly, 284 Derby Street, Bolton.

WANTED, by firm of two doctors, a Male Dispenser; unqualified; whole time with Bookkeeping; 3 or 4 hours daily could be allowed for reading. State experience and salary required to Dr. Fagge, Melton Mowbray.

WANTED, Branch Manager; qualified; permanency, or with view to succession; salary and commission offered; lady not objected to; give fullest particulars in first letter as to experience and salary asked; also good unqualified Assistant required. Apply, 265/35, Office of this Paper.

WANTED, Assistants (outdoors). Apply, stating age, experience, and salary required, to L. Cameron, Pharmaceutical Chemist, Broad Street, Seaford, Sussex.

#### WHOLESALE.

BIRMINGHAM.—Wanted, Invoice Clerk, male, used to Drug and Drysaltery trade. Apply by letter only, stating age, experience, wages required, to Charles C. Williams, Ltd., 281/283, Broad Street, Birmingham.

ONDON, S.W.—Required, a voung Man with knowledge of Fatent Medicines and Druggists' Sundries; age 20-25. Write, stating wages required and experieuce, to 1506, Sells' Advertising Offices, Fleet Street, E.C.

A NALYTICAL Laboratory.—London firm of Wholesale Druggists require a Junior Assistant with knowledge of Pharmaceutical Analysis. Apply, 35/5, Office of this Paper.

A SSISTANT required for the Wet and Dry Counter; age about 25 years. Arrite, giving full particulars, to 1507, Sells' Advertising Offices, Fleet Street, E.C.

CHEMIST wanted few hours weekly to make Hair Preparation in spare time; must have good Laboratory experience; fair remuneration. Write in strict confidence, giving full particulars, to "West London" (261/13), Office of this Paper.

CHEMIST required by old-established Wholesale Druggists, London; must have had Manufacturing experience and be able to take charge of Laboratory; good salary will be paid to first-class man. Write, in confidence, full particulars of experience, etc., to 34/62, Office of this Paper.

EXPERIENCED Clerk wanted, to receive and despatch goods. Apply by letter, with reference, to Southall Bros. & Barclay, Surgical Dressings Manufacturers, Saltley, Birmingham.

MAN required in Export Department to get together Surgical goods and Druggists' Sundries. Write experience, age, and wages expected to 35/70, Office of this Paper.

PERFUMERY and Toilet Requisites.—Young Lady wanted with good knowledge of this department. State age, height, salary expected (to live out), and give full particulars of experience, in confidence, Staff Superintendent, The New Lewis's, Market Street, Manchester.

QUALIFIED Junior wanted by London firm of Manufacturing Chemists for indoor staff; good business training and some capacity for organisation necessary; a candidate of superior education will be given the preference if otherwise suitable; good opening for energetic capable man. Apply by letter, stating age and salary required, also enclose photograph (to be returned), to 36/2, Office of this Paper.

REPRESENTATIVES on commission wanted at once for sale of quick-selling and profitable side-line; handled by all Chemists and Drug-stores. State ground covered, experience, etc., to 263/23, Office of this Paper.

MART Traveller, calling on Country and Agricultural Chemists, to carry known proprietary as extra line on commission. Full particulars in confidence to "Pushsales" (30/4), Office of this Paper.

TABLET ROOM.—Wanted, an experienced Man for Sugar and Chocolate Coating. Address, stating age, experience, etc., wages required, "K." (34/7), Office of this Paper.

TRAVELLER wanted by old-established firm of Chemists, calling upon Chemists and Grocers, London, Suburbs; highest references required. Apply, stating age, experience, etc., to Messrs. W. J. Smith & Son, 61 West Smithfield, E.C.

WANTED by old-established firm of Chemical Manufacturers, and Oil Refiners, an experienced Manager used to Export trade; good salary and commission; also a smart Representative for British trade for Wood Preservatives and High Co-efficient Disinfectants. Apply, 240/20, Office of this Paper.

WANTED, Assistants for Wet, Dry, Chemical Counters or Packing Department. Apply Mr. Malvern, Evans Sons Lescher & Webb, Ltd., Hanover Street, Liverpool.

WANTED, Assistant Manager; young man in an executive capacity; experienced in the Manufacture, Advertising, and sale of Pharmaceutical Products in the U.K.; a permanent position to a capable man, with every opportunity for advancement, who can show absolute evidence of a successful record. Reply, in confidence, giving full particulars of previous experience, age, and salary required, to 263/21, Office of this Paper.

WET Counterman, experienced, wanted. State particulars, previous engagements, salary expected, and all customary information, Timothy White Co., Ltd., Chemists, Portsmouth.

WET Counterhand wanted; must be experienced. Apply peryonally or by letter, stating age, experience, and wages required, to Manager, General Apothecaries' Company, 49 Berners Street, Oxford Street, W.

WHOLESALE house require (immediately) capable Assistant for their Surgical Instruments, Dressings, and Sundries department; must have a good knowledge of these requirements; state age, experience, and wages required; a permanent and progressive position assured to an energetic man. Hough, Hoseason & Co., 2 Bridge Street, Manchester.

WHOLESALE.—Wanted for Compounding Room provincial Wholesale Druggists, Assistant experienced in such work, Wholesale or Retail; industrious and careful worker, sober, honest; moderate wage, possibilities of advancement; excellent opportunities for improving knowledge of mannfacturing pharmacy. Apply, giving full particulars, experience, references, wages required, etc., to 262/33, Office of this Paper.

WHOLESALE Manufacturing Chemists in North London require at once smart Invoice Clerk with knowledge of the trade; must be neat and accurate worker. Reply, stating age, experience, and salary required, to 268/20, Office of this Paper.

YOUNG man wanted at once for Wet Counter in Wholesale Druggists; previous experience essential. 268, 26, Office of this Paper.

## SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

PIARRITZ (France).—Required immediately, an Assistant, thoroughly conversant with French and English Pharmacy, and speaking French fluently, for a Pharmacy in Biarritz; proprietor at Front; salary 300 francs per month. Apply "G. W." Exans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, London, E.C.

Havre.—English Pupil wanted for an important Pharmacy; speak French correctly; good salary. Le Havre, France.

INDIA.—Old-established private firm require smart, pnshing Assistant with Minor qualification; salary commencing £18 per month, with annual increase of £2 per month; four years agreement; second-class passage out and home; excellent prospects for a man act afraid of work; also Assistant required for Surgical Department; must have had first-class experience and possess a thorough knowledge of the business; terms on application. Apply, "G. W.," Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, E.C.

## SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

#### [HOME.] RETAIL.

A CTIVE, competent business man; thoroughly experienced Dispenser. Forster, 5 Coleridge Road, Finsbury Park, N.

AS Assistant, with good all-round practical experience; or Managership if without poisons; country only; excellent references re moral character and ability; married; middle-aged. "Prescriber" (265/1), Office of this Paper.

A SSISTANT; outdoors; small Drug Store (non-poisonous) in populous working-class neighbourhood; London or suburb; view to purchase; nominal salary; neglected entertained if scope. "Genuine" (263/38), Office of this Paper.

A SSISTANT; 29; unqualified; experienced; well recommended; disengaged. Alexander, 38 Gasfield Road, Clapham Common.

BIRMINGHAM.—Qualified; Manager or Locum; disengaged; excellent experience. "Pharmacist," New Hall, Cannock, Staffs.

CAPABLE Manager or responsible position; tall; qualified; West-End and best-class provincial Dispensing experience; Photography. 266/17, Office of this Paper.

CHEMIST'S Assistant, with thorough knowledge of Dentistry and Photography, seeks outdoor berth; unqualified; middle-aged; good Dispenser and Prescriber; disengaged; best experience. 268/9, Office of this Paper.

DISENGAGED; Assistant or Locum; reliable, competent; well recommended. "Energy," 214a The Grove, Hammersmith.

DISPENSER; 36; married; abstainer; unqualified; Hospital and Doctor's experience; willing; steady; permanency preferred; good references; free now. "C.," 9 Guildford Road, Brighton.

DISPENSER and Bookkeeper requires situation; unqualified; height 6 ft.; well experienced, energetic, and capable; disengaged; town or country. "D.," 26 Comyn Road, Clapham Junction 8 W

MERGENCY Assistant or Locum; thoroughly competent, ex-4 perienced; disengaged. "Reliable," 29 Mardale Street, enherd's Bush.

MPLOYMENT, few hours duily for about four or six weeks; all-round, competent, reliable man; London or suburbs; disgaged. "Chemicus," 8 Harcourt Road, Plaistow.

OOD all-round Man (45) seeks situation; Retail or Whole-I sale; 102 years' reference; salary 368.; unqualified. Gentian," c/o R.A.T.A. Hut, Sheerness.

UNIOR, age 19, smart, tall, reliable, excellent character, requires situation; indoors preferred, and London; time for adv acceptable; Prelim. passed. "Student" (266/8), Office of is Paper.

ADY Assistant; ago 20; over 3½ years' experience. Apply "J. R.," e/o Mr. Hugh Jones, M.P.S., Medical Hall, Blaenau, stiniog.

ADY Assistant; qualified; first-class experience. "Bristol" (266/40), Office of this Paper.

ADY Dispenser (Hall) desires re-engagement, Doctor, Hospital, J or Chemist, London; bookkeeping experience; references. "I.," Clapham Road, S.W.

OCUM or Permanency; 25; unqualified; Counter and Dispensing. "Aspirin," 20 Portland Road, Blackpool.

OCUM or Manager; qualified; disengaged; thoroughly experienced and trustworthy. "M.P.S.," 326 Uxbridge ad, W.

OCUM or Relief; 30; unqualified; abstainer; experienced, I highly recommended. State terms, Sandy, 204 Ebury Street, W.

ONDON or district preferred, but not essential; thorough allfround experience; Manage Branch, or as Senior; married; seugaged March 22. Apply, 266/5, Office of this Paper.

ANAGER, experienced; age 37; disengaged on 15th; outdoors and North London preferred; abstainer and married. J. C.," 2 Highbury Quadrant, N.

ANAGER; qualified; married; age 48; experienced; hard worker; sole charge; view to easy succession entertained; iddle or working class district preferred; neglected business orked up. Address 265/15, Office of this Paper.

TEWCASTLE or District.—Junior; 22; unqualified; free April 6; good experience; outdoors. 268/16. Office of this aper.

LDHAM or District. — Full or part time; qualified; all-round experience. Barker, 1 Robinson's Place, Woodbrook, dham.

DHARMACIST (41) seeks situation; Liverpool neighbourhood; good experience; disengaged. 265/11, Office of this Paper.

LYMOUTH District.—Manager, Assistant; Locum, permanency; qualified; moderate terms. 8 Windsor Crescent, Mannamead, ymouth.

UALIFIED; 30; 9 years managing; married; 50 miles radius London; expert Window dresser; £3 5s. and comssion; free April 5th. 262/36, Office of this Paper.

UALIFIED; Locum, permanency; 36; married; Counter, Disponsing; disengaged. Stewart, 3 Elborough Street, Southlds, S.W.

UALIFIED; elderly; cover; London; experienced; references. Powell, 15 Shrewsbury Road, Forest Gate.

QUALIFIED Manager or Dispenser; experienced good-class business. "London," 92 Fentiman Road, S.W.

UALIFIED; 25; good references; disengaged March 20. "Pharmacist," 35 Elm Road, Plymouth.

UALIFIED; 78; Locum or temporary Manager; 21 years' first-class Dispensing and Retail experience; near Liverpool eferred; disengaged immediately. "Aspirin," 29 Avondale Road, authort Lones

UALIFIED, thoroughly experienced, height 5 ft. 9 in., age 56, single, desires permanency; N.E. England preferred; od references. Parsons, c/o Foster, Ltd., Chemists, Leigh-on-a, Essex.

UALIFIED; 27; married; 11 years' experience, high-class Dispensing and Retail; references; Senior or Branch. Claremont Road, Highgate.

QUALIFIED; 35; abstainer; energetic; 12 years' West End experience; exempt Sunday duty. 263/15, Office of this Paper.

QUALIFIED; 31; Dispensing and Counter; London berth preferred. "Radix" (266/7), Office of this Paper.

QUALIFIED; fluent French; excellent English and French references; good Salesman. 268/29, Office of this Paper.

RELIEF; mornings only; Richmond district preferred; unqualified. "Alpha," 47 Staines Road, Sunbury on Thames.

RUSSIAN Pharmacist (Dorpat diploma) desires situation in English Pharmacy Wholesale house; Chemical or Pharmaceutical Laboratory or Hospital; speaks French, Germau, and a little English. Write 261/36, Office of this Paper.

UNQUALIFIED; 26; experienced; excellent references. Abstainer; outdoors preferred; state salary. "C. W. N.," c/o The Pharmacy, 8 Halford Street, Leicester.

UNQUALIFIED, experienced Assistant; Dispensing, Counter, 18 years' all-round experience; age 36; married. "Euresol," 263/3, Office of this Paper.

UNQUALIFIED; 28; 12 years' experience, Counter, Windows, Photography, Dispensing; South Wales preferred. 266/26, Office of this Paper.

UNQUALIFIED Junior wanted for middle-class business in North London; no Sunday duty; salary 308. per week. 268/7, Office of this Paper.

WANTED, after Easter, post in Good Middle-class Pharmacy; qualified; abstainer; Photographic; London preferred. 258/2, Office of this Paper.

#### WHOLESALE.

A DVERTISER is open to negotiate for position as Correspondent, Sales or Warehouse Manager, or Representative, Soluble Essences, Oils, etc. "Alpha" (268/5), Office of this Paper.

CHEMIST (35), Continental education and practical experience in laboratorics and works on Continent and in America, is desirous of position in or near London; five languages perfectly. Box 774, e/o Berry's, Gresham House, E.C.

EVENINGS, disengaged after 6; London Wholesale, Doctors, N.H.I. or Red Cross work. 261/9, Office of this Paper.

EXPERIENCED Traveller, with first class connection amongst Chemists in Ireland, desires to represent a good house on commission basis. Exceptional references as to integrity and ability. 261/18, Office of this Paper.

 $T^{\rm RAVELLER}$ , calling on Chemists, requires good Side-line. 258/10, Office of this Paper.

WEST OF ENGLAND.—Gentleman covering this ground desires additional Agency for well-known house; part expenses and commission; references; guarantee. Address, "Bristolian" (262/28), Office of this Paper.

WET Counter.—Energetic young man, with real good all-round Wets experience, desires post with opportunities; good references; wages 34s. Apply, "Noroic" (265/8), Office of this Paner.

# Refugee Belgian Pharmacists.

This section is devoted to the announcements of Belgian confrères at present in this country. We shall be pleased to insert gratis announcements of a similar character from others who are seeking situations in the Drug trade.

Cette section est réservée pour les annonces des confrères belges qui se trouvent actuellement dans ce pays. Nous serons heureux d'insérer gratis des annonces semblables de ceux oherchant des places dans le commerce des drogues.

BELGIAN Chemist, assistant employed at Antwerp, desires occupation as Assistant in English Pharmacy or Hospital; first-class references. Address: M. Rolans, Helen-Bank, Gasstown, Dumfries.

BELGIAN Pharmacist, Liége University Diploma, desires situation in English Pharmacy; 20 years' experience. 35/15, Office of this Paper.

## MISCELLANEOUS.

BARGAINS in Second-hand Fittings.—Several sets of Plate-glass Window Shelves, with standards and brackets; handsome Dispensing Screen, with mirror centre, 6 ft. 6 in. long, £5; Slent Salesman, 3 ft. high, 95s.; Ditto, 6 ft. high, £7 10s.; Perfume Case and Desk, 45s.; 7-ft. Wall Case, £9; 4-ft. Ditto, £5; 12 recess labelled 3-lb. jars, 48s.; Pair Dispensing Scales, best make, 18s. R. TOMLINSON & SONS, Headquarters for Chémists' Fittings, Bond Street, Birmingham.

ANILINE COLOURS.

m A DVERTISERS are open to buy job lots of these at full prices. 256/32, Office of this Paper.

CHOPFITTINGS (Second-hand).—12-ft. Plate-glass fronted and solid Mahogany Counter, £8 10s.; 10-ft. ditto, £7 5s.; Perfumery Case and Desk, mirror box, glass shelves, solid Mahogany, 57s. 6d.; 6-ft. Mahogany and Bent Plate-glass Counter Case, 92s. 6d.; other bargains. Philip Josephs & Sons, Ltd., 93 old Street, E.C.

SECOND-HAND Chemist's Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

BEST cash price paid for all old Cameras, any make, also an old Photo goods, no matter how damaged; any kind you may have send them along; cash will, be sent same day; no waiting; we buy all and return nothing. S.E. Hackett, 23 July Road, Liverpool, E

CHEMISTS' Shopfittings.—Silent Salesman, Showcases, Windowenclosures, Dispensing-screens, Drug-fittings, Wallcases, Glass-front Counters, Counter Drawers, etc., at lowest prices; shopsoiled second-hand; 30 years fitting pharmacies; you will save time and money by scuding your requirements to George Cook, The Chemists' Working Shopfitter, Catherine Street, City Road, Old Street London. Old Street, London.

CHEMIST.—Complete set of modern Fittings; good second-hand; 12-ft. Drug Fitting, complete; 10-ft. Glass-fronted Counter; 6-ft. Dispensing Screen and Counter; Perfumery Case and Desk; 4-ft. Mahogany Bent Plate-glass Counter Case; 6-ft. Mahogany Wall Case; £45 10s. the lot; absolute bargain; cheapest house for Window Enclosures, Glass Shelves, modern Shop Fronts, improvements, etc.; designs, estimates free. MILLS, Shop Front, Shop Fitting, Glass Facia Works, 163-5 Old Street, London, E.C. 'Phone 550 London Wall.

## WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers , ve failed to obtain through the customary business channels.

Minimum charge (including registration fee) of 1/for six words or less; 2d. per word beyond, prepaid. Iuquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

#### WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise to

#### THE WAR WANTS EXCHANGE.

"The Chemist and Druggist," 42 Cannon Street, London, E.C stating quantity and price:-

Adalin, Bayer (268/18) Adalin Tablets (262/34) Adalin Tablets (265/19) Albulactin (260/17) Anæsthesine (265/36) Anusol Suppositories (260/17) Beta-Eucaine (29/48)

Bromural Tablets (260/17) Ceridin Pills (268/18) Ceridin Pilis (200/10) Chinosol Powder (33/53) Orthoform (265/36) Sajodin Tablets (260/17) Wickered Cologne bottles (260/17)

#### FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers :-

Aspirin Tablets (265/20) Franz Josef Water (272/32) Sulphonal (267/32)

Schering's Sod cylate (265/20) Sodium Sali-

## EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.

No advertisement inserted for less than 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

#### FOR DISPOSAL.

#### APPARATUS.

X-RAY apparatus, 82-in. condenser, 22-in. photo lens, slide bellows. by Hulme, Edinburgh; fair condition; £3 78. 6d.; a bargaim Cleave, 121 High Street, Notting Hill Gate.

#### BOOKS AND PERIODICALS.

"SQUIRE'S POCKET COMPANION, 1904"; good condition; post . free 38. 9d. Matthews, 146 Hoppers Road, Winchmore Hill.

#### DRUGS AND CHEMICALS.

OFFERS wanted, barrel linseed oil and keg Brandram's Saltpetre. J. Nicholas, Llandovery.

SANTONINE, 1 oz. 2 drms.; what offers? Pickles, 29 Oldfield Road, Broad Road, Sale, Cheshire.

#### PROPRIETARY ARTICLES.

ONE gross Field's United Service Soap, 31d. tablets, 18s. Donnelly, 284 Derby Street, Bolton.

ONE dozen 4 Ring Hæmatogen, unstamped, 10s. 6d. carriage paid. Holt Green, South Kensington, S.W.

#### OPTICAL AND PHOTOGRAPHIC.

STUDENT'S microscope, 11 in. high, mahogany case, two eyepieces, nearly new, cost 50s., for 25s.; another, 9 in. high, mahogany case, cost 30s., price 17s. 6d., carriage paid. Particulars Hare, Chemist, Nottingham.

QUARTER-PLATE stand camera in mahogany; single extension; good E.R.R. lens; N. & G. changing-box holding 12 plates; 358., or nearest. 42/24, Office of this Paper.

#### MISCELLANEOUS.

CARTRIDGE Kodak, 1-pl., 3 d.d. slides, case; cost with extras over £6; as new, £2; also typewriter, working order, £2. 91 Falsgrave Road, Scarborough.

#### WANTED.

SYPHONS, 30-oz. State quantity and price to 261/12, Office of this Paper.

WANTED, glass shelves for window fittings; state sizes. Wyatt,

Broadway, Barnes. WANTED, "London Latin Pharmacopæia," 1851 edition. Write Page, 1 Kingston Road, Leicester.

WATCH-POCKET carbines, models 1, 2, and 3. Cave, Photo-

graphic Chemist, 169 Lord Street, Southport.

MARTINDALE, 13th or 14th edition; state price. Gower,
Hylands, Wherwell Road, Guildford.

ENTIRE fittings for shop wanted; must be good and cheap; also bottles, recess preferred. 265/13, Office of this Paper. SECOND-HAND Lucas' "Practical Pharmacy"; C. & D. "Art and

Science of Dispensing." Constantin, 41 Coram Street, W.C.

OINTMENT pots and tins wanted; large quautities. Send samples and prices to Box "Z.," Kidd's Advertising Agency, Middlesbrough.

PARKER'S essence of ginger wanted in square or flat bottles; any size; must be one or two years old. Burnett & Turner, Chemists, Clifton, Bristol.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, London, S.W.

WANTED, half to cwt. Gardner's mixer and sifter; waterjacketed copper or tinned pan, 10 to 20 gals.; emulsifier, 10 to 20 gals.; machine for filling ointments into tins. James, Fitzhamon Works, Cardiff.

"CHEMIST and Druggist," 1859, September, October, November, December; 1860, January, May; 1861, July, August; 1862, February, June, September; 1865, March, index; 1867, complete; 1868, index; 1869, 1871, complete; 1873, April, August, November; 1874, September; 1874-81, inclusive; 1885, complete; 1888, September 24; 1889, October 26; 1890-1914, inclusive; offers. 260/16, Office of this Paper.

## Medical Gleanings.

Phenacetin-poisoning.

A Case is reported in "The Lancet" (I., 1915, p. 490) here a woman suffered from poisoning after taking a se of phenacetin. The interesting fact is mentioned at the woman took the phenacetin at the time of her tamenia, and that at this period antipyrin and phenetin seem to act more quickly upon the blood and to oduce methæmoglobin. It is just at the menstrual eriod that women suffer more from headache than in the tervals, so that care should be exercised in administering e drug to women.

#### Iodine as a Bactericide.

Dr. H. Lyon Smith ("Laneet"), in answer to an quiry as to the efficacy of tincture of iodine in destroying cteria and their spores, recalls some experiments in e matter which he conducted two years ago. He tested e bactericidal properties of six samples of iodine soluon made by diluting tincture of iodine with distilled ater. He employed various strengths from 2 to 0.0625 r cent. of tincture of iodine, and found that all were ective bactericides. A 0.2-per-cent. solution of the acture was employed in a case of cystitis, and found to unirritating and effective in diminishing the number of lonies of B. coli.

Santonin in Sprue.

THE "British Medical Journal" states that the usual ethod recommended for giving santonin in sprue is as llows: Five-grain doses of yellow santonin are given e last thing at night and the first thing in the morning. In the morning and dose, according to Dr. Begg, should be well rubbed in one teaspoonful of olive or almond oil, as the ixture of oil and powder floated on a little milk can be sily swallowed. The powders are given for six days a time, the progress of the case being carefully watched. necessary a second course is given, and a dose or two ery week during convalescence is useful. If the drug uses nausea the morning dose should be omitted. hough in some cases benefit appears to follow the use of e drug, many cases show no special reaction to it, and perience teaches that the drug is in no way specific for is disease.

#### Vermin-destruction.

BODY-PARASITES are best destroyed by a mercury pre-ration, states Mr. Langford Moore in "The Lancet" 15, I., p. 529). The usual application has been a ercurial ointment, which causes much discomfort to the tient by reason of the grease soiling the clothes. Mr. core has therefore devised the following powder, which states answers perfectly:

Hydrarg. ammon. ... Zinei oxidi ... ... Magn. silicat. ... ... 33. ... 3ss. •••,

Ft. pulvis.

is is applied to the infested areas on a lint pad or means of a pepper-box. It may also be used as a ophylactic dusted on the underclothing and the body.

#### Petroleum as a Laxative.

On. W. Allan Jamieson writes as follows in the British Medical Journal' (I., 1915, p. 445) regarding e use of petroleum as an habitual laxative:

Purified petroleum, or refined liquid paraffin, has come be a popular remedy for constipation, and is extensively seribed and taken. Its action as a laxative is not rely that of a lubricant oil, though it passes unchanged rough the bowels. Were it so, then cod-liver oil would be as an aperient; while, on the contrary, it but seldom reases the diarrhea in phthisis. Petroleum, therefore, us operate as castor oil and croton oil do, by irritating lining of the intestines causing an augmented flow of ist operate as castor oil and croton oil do, by irritating lining of the intestines, causing an augmented flow of acus, and at the same time increasing peristalsis. We ow that workers in paraffin are liable to a special form cancer of the skin. I would therefore warn against the resistent or habitual use of petroleum as a laxative, pecially if, as Sir William Whitla states in the tenth tion of his "Pharmacy," published this year, doses as ge as 2 oz. are taken. Time enough has not elapsed to pido this question of danger, but I would sound a note warning.

#### CONTINENTAL DRUG AND CHEMICAL MARKETS.

MARKETS.

The following notes chiefly refer to the Berlin and Hamburg markets under date of February 20 and 27:

AGAR-AGAR has advanced in consequence of increased demand to m.430 to m.440 per 100 kilos.

ALCOHOL.—The Spirit Centrale announces that supplies continue to be insufficient and are much below requirements, which in the first place are for war-purposes. The stocks of potatoes held by the distillers will as far as possible be kept for food-purposes, and distillers are required to use raw sugar. In order to cover the considerable cost entailed, the selling-prices have been advanced by m.10 per hect. for industrial; in October the price was raised by m.7, January by m.4.50, in Fobruary by m.5, and now by m.10. The price of industrial spirit is m.89, which is almost twice as much as when the new tax came into force.

Anise Oil (Star) is m.14.50 per kilo.

Balsam Peru.—For original import m.30 per kilo. has been paid, and for the remaining stocks from m.35 to m.40 is asked.

Boric Acid.—Prices, which have already repeatedly advanced, are now dearer again by m.4 per 100 kilos. for boric acid and m.3 for borax.

Cascara Sagrada is in active demand; m.140 per 100 kilos. has been paid, and m.150 is asked by the principal owners, with a further advance likely.

CEDARWOOD OIL is in active demand; m.200 per 100 kilos.

CITRIC ACID.—Business is less dull, as partial exemption from the prohibition of exportation is granted; from m.530 to m.540 per 100 kilos. has been paid, and in second-hand

There is more demand; consequently prices have a tendency to advance. Russian is obtainable at m.6.50 and Spanish at m.6.75 per kilo.

EUCALYPTUS OIL meets with more interest at m.4.30 per

GENTIAN is inquired for in large quantities, and prices are continually increasing: m.100 per 100 kilos. has already

been paid, and m.120 is asked.

been paid, and m.120 is asked.

IPECACUANHA is firmer. Rio costs from m.36 to m.37, and Cartagena from m.25 to m.26 per kilo.

KOLA is firmer on account of increased demand. Quarters have been sold at m.130 and halves m.120 per 100 kilos.

LEMONGRASS OIL is offered at m.9 per kilo.

LYCOPODIUM is firm, with a good demand at m.6.40 in barrels and m.6.50 per kilo. in cases.

OILS (FIXED) AND FATS.—Though Castor has been offered at lower prices of late, the still advanced rates asked are willingly raid. as several buyers appeared to have come to at lower prices of late, the still advanced rates asked are willingly paid, as several buyers appeared to have come to the end of their stocks. First pressing has been sold at m.275, second pressing at m.235; pharmaceutical quality is active, and has been sold at from m.300 to m.305. Coconut is firm and scarce: Ceylon, m.155: Cochin, m.165. Cotton-seed, refined, is very firm at m.125. Earth-nut is scarce at m.130. Linseed has been excited; Dutch is much higher at m.102 to m.103; German at m.108 to m.110. Palm is very firm and scarce at from m.135 to m.140. Palm-kernel oil is also very firm at m.155. Rapeseed is firm at m.150. Soya is not offered. Tallow is firm; food tallow is m.150 to m.160; for soap-manufacturing m.140 to m.150 is quoted. Hankow wood is higher, with m.96 paid. Pine oil, Siberian, has been sold at m.275 per 100 kilos, but prices are expected to advance.

Siderian, has been sold at m.275 per 100 kilos., but prices are expected to advance.

Wormseed.—The monopoly has raised its prices to m.350 per 100 kilos, which has been paid, but it is not now obtainable at this figure, and is likely to go higher. Wormseed poor in santonin is obtainable at m.275 per 100 kilos.

QUILLAIA has been sold at m.150 per 100 kilos, for cut, and m.160 is asked now.

and m.100 is asked now.

SANDILWOOD OIL.—East Indian is cheaper; there is little demand, and the stocks are large. From m.40 to m.42 per kilo. has been paid.

SHELLAC.—Firm; TN has been sold at m.200, AC Garnet at m.215, and GAL at m.205 per 100 kilos.

SHUT OIL (JAPANESE).—For the existing stocks m.21 per kilo. is asked.

SODILM Hypo has advanced by 25 per cent

SODIUM Hypo. has advanced by 25 per cent., as the expense of manufacture has much increased.

Tartar.—Refined is in active demand, following on an advance in price; from m.20 to m.25 per 100 kilos. has been

THYMOL meets with a slow sale at m.50 per kilo., second-

THYMOL meets with a slow sale at m.50 per kilo., seeond-hands quoting m.45.

Vanillin.—The scarcity has only proved temporary. Makers furnish at Convention prices, and second-hand can sell at from m.47 to m.48 per kilo.

Waxes (Japanese).—Further imports are expected: m.215 has been paid. Carnauba is cheaper, at from m.470 to m.480 per 100 kilos. for first yellow, from m.460 to m.450 for medium vellow, m.415 to m.410 for fatty grey, and m.405 to m.400 for sandy grey.

### Trade-Marks.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1915, p. 435.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £:) and lodged with Mr. W. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

(From the "Trade-marks Journal," February 24, 1915.) "Seal Brand," with picture of seal; for chemicals (1). By British Amalgamated Paint Co., Ltd., 15 Great St. Helens, E.C. 365,230.

Hexagonal device with monogram "C. & W. Ltd."; for chemicals (1). By Coley & Wilbraham, Ltd., 6 Bury Court, St. Mary Axe, E.C. 365,406.

"RESISTIL"; for a rust-preventing solution (1). By J. Blears, 30 Linden Grove, Woodsmoor, Stockport. Stockport.

"Cure," with picture of pig, for disinfectants (2);
"Adjante," for goods (42). By W. Birch, 78 Bath
Street, Birmingham. 364,678/676.

"HOMOPHENE"; for surgical disinfectants and antiseptics
(2). By W. Voss & Co., Ltd., Glengall Road, Millwall,
E. 365,202.

"Manyino": for medicated wine (3). By R. Whittaker, 47 Midland Street, Ardwick, Manchester. 365,269.
"ALDEFORM"; for medicinal chemicals (3). By Southall

"ALDEFORM"; for medicinal chemicals (3). By Bros. & Barclay, Ltd., Birmingham. 365,313.

Label device including arm bearing globe with word "LORINER," cupid, etc., and words "COMPOUND SYRUP OF THE HYPOPHOSPHITES," etc ("Lorimer" disclaimed); for a medicine (3). By Lorimer-Marshall, Ltd., 12 Tower Hill, E.C. 363,302. (Associated.)

"OSACOL": for a medicine (3). By Oppeuheimer, Son & Co., Ltd., 179 Queen Victoria Street, E.C. 365,487. (Associated)

(Associated.)

"Monol": for all goods (4). By B. R. Vickers & Sons, Ltd., 4 Gascoigne Chambers, Leeds. 365,589.
"Cable" in oval device; for farina (4). By J. Laing, Son

& Co., 1 Cooper Street, Manchester. 364,160. (By consent.)

Device of man with toothache supported by another man; for artificial teeth (11). By E. E. Johnson, Caerphilly,

Label device with words "Coleman's Tonic Cocoa," etc.,
and portrait ("W. Coleman" and "Coleman's" disclaimed; for cocoa (42). By Coleman's Tonic Cocoa
Co., Norwich. 364,666.

"ANTELOPE," with picture of same; for cream-of-tartar substitute (42). By C. Christopherson & Co., 21 Mincing Lane, London, E.C. 365,545. (Associated.)
"GASENGO"; for oils and greases (47). By the Stern Sonneborn Oil Co., Ltd., 16 Finsbury Square, London, E.C.

365,606. " Moovol":

"Moovol": for all goods (47). By A. K. Hillson, 62 Buchanan Street, Glasgow. 365,137.

"Periphume": for all goods (48). By T. Anyon, 89 Lloyd Street, Chorlton-on-Medlock, Manchester. 364,873.

"Vernops": for a hair-preparation (48). By Ada E. Rutherford. 13 Parliament Hill Mansions, Kentish Town, N.W. 364,839.

"Clemol.": for perfumery, etc. (48). By H. F. Kerr, East Molesey. 364,943.

Device with words "'FACUP," GREASE PAINT' and monogram "J.A." ("Facup" disclaimed); for grease paint (48). By J. Adamson, 47 Bedford Street, Strand, W.C. 365,319.

"LAVINIA"; for perfumery, etc. (48). By Breidenbach & Co., 48 Greek Street, W. 365,553.

"Cameo"; for perfumery, etc. (48). By D. & W. Gibbs, Ltd., Wapping. 365,578. (Associated.)

(From the "Trade-marks Journal," March 3, 1915,)

"Sensol"; for a waterproofing-compound for brickwork, etc. (1). By C. Dresdin & Co., Nether Street, North Finchley, N. 365,196.

Circle cuclosing animals' heads, and words "Cutonine and Canicura Comy," on scroll; for liquid disinfectant animal-washes (2). By Cutonine and Canicura Co., 63 Highgate Hill, N. 364,786. (Associated.)

"GERMINOL"; for disinfectants, etc. (2 and 3), and for perfumery, etc. (48). By L. E. Moreau, 727 Fulham Road, S.W. 365.298/99/100.

"PORTIA": for all goods (3, 11, 37, and 40). By Soiport Bros., 184-190 Goswell Road, E.C. 365,128/29/30/31.

"Sanervo"; for a medicinal food (3). I 86 Potternewton Lane, Leeds. 365,252. By W. H. Day,

"Secretogen"; for medicinal chemicals (3). ecrerogen": for medicinal chemicals (3). By G. W. Carrick Co., 23-27 Sullivan Street, New York, U.S.A. 365,397.

365,597.

Label device of deer on mound, with words "Kutnow's Powder," "Deer Leap," etc.; for a medicine (3). By S. Kutnow & Co., Ltd., 41 Farringdon Road, E.C. 365,499. (Associated.)

"Sevane": for medicinal chemicals (5). By Tan Essen & Co., Ltd., 100 Bermondsey Street, S.E. 365,719.

"AISPERSYD": for an indigestion-cure (5). By D. W. Robb, 414 Paisley Road West, Glasgow. 365,756.

"Stvad" in diamond: for all articles (8). By John Davis & Son (Derby), Ltd., All Saints' Works, Amen Alley, Derby. 365,344.

"Trettina" over device of white shield bearing letter

"TRUETIMA" over device of white shield bearing letter
"B" ("Truetima" and letter "B" disclaimed); for
horological instruments (10). By Boot's Pure Drug Co.,
Ltd., Nottingham. 365,146.

X-ray tube device, with words "Andrews' Rafid X-ray Tube" (device disclaimed); for vacuum x-ray tubes (11). By C. Andrews, 47 Red Lion Street, W.C. 364,936.

Oval picture of little boy, with words "Hello, Daddy! Guess what I've Got! Fry's"; for paper (39). By J. S. Fry & Sons, Ltd., Bristol. 364,933. (Associated.) "Dutchboy Brand," with picture of same; for food-substances (42). By W. Weddel & Co., Ltd., 17 St. Helen's Place, E.C. 363,021.
"Azolite"; for acid phosphate of calcium (42). By H. D. Hardie & Co., 176 Ingram Street, Glasgow. 365,422.

"Benco" and double-diamond device; for goods (42). By
A. E. Bennett & Co., 15 Berey's Buildings, George
Street, Liverpool. 364,728.

"Perbrate"; for goods (47). By Lever Bros., Ltd., Port
Sunlight. 365,775.

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

#### Wednesday, March 17.

Birmingham Tharmaceutical Association, Grand Hotel, at 9 p.m. Discussion on "Pharmaceutical Topics."

Royal Society of Arts, John Street, Adelphi, London, W.C., at 8 p.m. Mr. H. M. Thornton on "The Industrial Uses of Coal-Gas."

Royal Microscopical Society, 20 Hanover Square, London, W., at 8 p.M. Mr. E. J. Sheppard on "A New Mitotic Structure Dis-closed as the result of New Technique," and Mr. G. H. Walles on "The Structure of Tests of Freshwater Rhizopoda."

#### Thursday, March 18.

Thursday, March 18.

Chemical Society, Burlington House, Piccadilly, London, W., at 8.30 p.m. The following papers will be communicated: "The Relation between Viscosity and Chemical Constitution. Part IX. The Viscosity and Fluidity of the Aliphatic Acids," Mr. A. E. Dunstan, "Methylated Derivatives of a New Form of Glucose," Messis. J. C. Irvine, A. W. Fyfe, and T. P. Hogg. "Velocity of Crystallisation from Aqueous Solutions," Mr. N. P. Campbell. "Studies in Phototropy and Thermotropy. Part VI. Polymorphic Vanillidenearylamines Produced by Trituration and by the Influence of Actinic Light," Mossis. A. Senier and R. B. Forster. "Organic Derivatives of Silicon. Part XXIII. Further Experiments on the so-called Siliconic Acids," by Mr. J. A. Meads and Dr. F. S. Kipping.

Western Pharmacists' Association, Restaurant Frascati, Oxford Street, London. W., at 2.30 p.m. Mr. Harold Miller on "Cooperation in Pharmacy and an Explanation of the Ucal System."

NORTH LONDON PHARMACISTS' ASSOCIATION.—The annual social evening will be held on March 25 at Beale's Restaurant, Holloway Road. Tickets (2s. 6d. each, inclusive) from Mr. Herbert Skinner. G.N.: Hospital, Holloway, N. The profits will be devoted to the Benevolent Fand.

Benevolent Fand.

THE SOUTH-WESTERN PHARMACISTS' ASSOCIATION of London will hold their annual dinner at Frascati's on Wednesday, April 28, at 7 o'clock. Tickets for the dinner may be obtained from Mr. E. A. Atkins, 71 East Hill, Wandsworth, at 7s. 6d. each. The dinner is in aid of the Belgian Doctors' and Pharmacists' Relief Fund.

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